AGENDA
UTILITIES SERVICE BOARD MEETING

Utilities Service Board Room
City of Bloomington Utilities Department Administrative Building
600 E. Miller Dr.
Bloomington, Indiana 47401

Tom Swafford, President
Tim Henke, Vice President
Jeff Ehman
Julie Roberts
Pedro Roman
Jason Banach
John Whikehart
Tim Mayer, ex-officio
Tom Micuda, ex-officio

June 9, 2008
5:00 P.M. Regular Meeting

I. Call to order

II. Approval of the minutes of previous meetings (May 27, 2008)

III. Approval of the claims

IV. Request for approval of the Schulte pretreatment permit – Shawn Miya

V. Administrative changes to the pretreatment permits for Hall Signs, Indiana Metal Crafts and General Electric – Shawn Miya

VI. Report on the Griffy Lake Management Plan

VII. Old business

VIII. New business

IX. Subcommittee reports

X. Staff reports

XI. Petitions and communications*

XII. Adjournment

* Brief public comment will be limited to 5 minutes per person.

UTILITIES SERVICE BOARD MEETING

May 27, 2008

Utilities Service Board meetings are recorded electronically or stenographically and are available during regular business hours in the office of the Director of Utilities.

Board President Swafford called the regular meeting of the Utilities Service Board to order at 5:06 p.m. The meeting was held in the Utilities Service Board room at the City of Bloomington Utilities Department Administrative Building in Bloomington, Indiana.

Board members present: Tom Swafford, Jeff Ehman, Pedro Roman, Jason Banach and ex-officio member Tim Mayer. Staff members present: Patrick Murphy, John Langley, Mike Bengtson, Rachel Atz, Mike Hicks, Jon Callahan, Sarah Wilson, Tom Staley, Phil Peden, Michael Horstman, Jane Fleig, Vickie Renfrow. Others present: Adam Westermann representing Black & Veatch and Sue Mayer.

Board President Swafford announced that item number 3, a request for approval of funding to purchase audio video equipment for USB meeting room, was being withdrawn from the agenda.

CLAIMS

Board member Roman moved and Board member Ehman seconded the motion to approve the claims as follows:

Claims 0890687 through 0890755 including $165,235.22 from the Water Operations & Maintenance fund, $35,980.00 from the Water Construction fund and $850.00 for water hydrant meter rental for a total of $202,065.22 from the Water Utility; Claims 0830426 through 0830475 including $134,991.45 from the Wastewater Operations & Maintenance fund for a total of $134,991.45 from the Wastewater Utility; and $4,045.67 from Storm Water and $14,736.22 from Storm Water Construction for a total of $18,736.22 from the Wastewater/Storm water Utility. Total claims approved – $355,792.89.

Board member Roman commented on the claim for the City of Bloomington for gas. He reminded the USB of the need to move forward with the Interlocal agreement so there will be a framework for these kinds of claims. He said he would be more comfortable with them after the agreement has been passed. He did not have any objection to paying the claim.

Board President Swafford asked about the claim for Henry P. Thompson Company. Utilities Deputy Director Langley said that a whole module's worth of new bulbs was bought for the Ultra Violet Disinfection unit. Old bulbs were consolidated into an old unit so there is now a back-up. The great news is that the UV system is working very efficiently and the permit limits are being met for e-coli.

Mr. Swafford then asked about the claim for Donohue and Associates. He was curious if this claim had to do with the work currently being done at 1st St. and Walnut St. Utilities Director Murphy explained that project is a County project. Utilities is aiding with it and paying for some of it but it is not a Utilities project. Utilities will be starting a project just north of there which is what the claim is for.

Mr. Swafford also asked for an update on the work Beam, Longest and Neff is doing on the 45/46 by-pass.

Motion carried, 4 ayes, 3 members absent, (Henke, Roberts and Whikehart).

Wire transfers and fees for the month of April 2008:

Board member Ehman moved and Board member Roman seconded the motion to approve the wire transfers and fees for the month of April 2008 in the amount of $633,198.47.

Motion carried, 4 Ayes, 3 members absent, (Henke, Roberts and Whikehart).

REQUEST FOR APPROVAL OF CHANGE ORDER No. 2 WITH BOWEN ENGINEERING CORP. FOR THE BLUCHER POOLE WWTP IMPROVEMENTS PROJECT:

Capital Projects Manager Hicks said this change order has 9 items associated with it. It is the final change order for the project and will allow all the closing documents to be prepared and for finalizing payments to Bowen. The Engineering firm for this job was Black & Veatch. Mr. Hicks introduced Mr. Westermann of Black & Veatch to describe the 9 items in this change order.

Mr. Westermann said the first item is for additional costs for blower structure number 1 piping modifications. This is the original blower structure that was at the plant when it was constructed in 1967. Part of the project was for the contractor to replace valves and flow meters in this piping. Once it was inspected and insulation removed it was determined that it would be of benefit to replace the entire section of the piping.

The second item is for the additional cost for influent lift station piping replacement. This has to do with the blower structure at the influent lift station which provides air into the wet well to keep things in suspension. With the new grit removal facility it was determined that more permanent installation of the piping would be required.

Item number three has to do with the SCADA modifications at the chlorine building and the effluent chamber. The plant staff had said they would like to have the ability to monitor the chlorine and sulfur dioxide levels in the existing chlorine building. New sensors, conduits and wires were run from the building to the SCADA system. A new ultrasonic level sensor was mounted at the plant effluent chamber as well at the request of the plant staff.

Number 4 is for the additional cost of replacing additional air piping for the primary sludge pumps. Some valves and piping were being replaced but when they were inspected during construction it was determined that it would be best to replace the entire section of piping rather than just a portion of it.

Item number 5 is for the additional cost for a primary splitter box and a 34" reinforced concrete pipe repair. During the installation of the piping in item number 4 they had to connect to the splitter box which is downstream from the primary clarifiers. When excavating for that they found a very large crack in one of the primary clarifier effluents to the splitter box which flooded the excavation. This required some emergency repair.

The sixth item is the cost for additional circuitry for the administration building. The staff and City ITS had requested a larger UPS be provided for back up power for the plant telephone system, the office server, network equipment and spare capacity for future equipment. A larger circuit was required for the larger UPS.

Item 7 was an adjustment for project allowances. The contract had built into it 4 allowances that the contractor had to include in their bid. These were the stone veneer allowance for the

new grit removal facility, an allowance for office equipment and office supplies for the resident project representative, an owner's miscellaneous allowance for items, equipment or work determined by the owner during the course of the project and a plant automation and SCADA allowance for specific SCADA equipment. This item adjusts all the allowance amounts that were not used as a part of the project.

Number 8 is additional construction phase engineering services. This was required because of the crane accident on the site. The crane tipped over and damaged one of the primary clarifiers. This caused Black & Veatch to have some additional engineering costs for inspection services and additional shop drawing reviews which weren't anticipated as a part of the original contract. The contractor was ultimately responsible for these costs because they were responsible for the crane accident. This item reimburses Utilities for those costs.

The final item is for engineering overtime. The contractor was responsible for any engineering overtime that was requested by them.

There were no changes in time, only in price. The final change order amount is a $12,892 increase in the current contract price to a total of $6,321,082.00.

Board member Ehman asked about item number 5. He wanted to know if the crack in the pipe had already been there before they excavated. Mr. Westermann said that it had been. Mr. Ehman asked if it had started to leak when the dirt was removed. Mr. Westermann said there were signs that an attempt had been made to patch it which had worked for awhile but not permanently.

Board member Ehman moved and board member Roman seconded the motion to approve change order number 2 with Bowen Engineering Corp. for the Blucher Poole WWTP improvements project. Motion carried, 4 ayes, 3 members absent, (Henke, Roberts and Whikehart).

REQUEST FOR APPROVAL OF AMENDMENT C TO THE ENGINEERING SERVICES AGREEMENT WITH BLACK & VEATCH CORP. FOR THE BLUCHER POOLE WWTP IMPROVEMENTS PROJECT:

Capital Projects Manager Hicks said this relates directly to items 8 and 9 in the change order for Bowen. The expenses due to the crane accident and the overtime requested by the contractor during the construction period can be recovered from Bowen. That was done through the change order process. Now an amendment to the Black & Veatch services agreement is needed to increase their billing amount for this project. The money from items 8 & 9 in the Bowen change order will then be passed on to Black & Veatch. This will be the final amendment to the Black & Veatch engineering service contract. The exact amount for the construction phase engineering services is $13,419 and for resident engineer overtime (for inspection services) is $1,078.

Board member Roman moved and board member Ehman seconded the motion to approve Amendment C to the Engineering Services Agreement with Black & Veatch, Corp. for the Blucher Poole WWTP Improvements project. Motion carried, 4 ayes, 3 members absent, (Henke, Roberts and Whikehart).

OLD BUSINESS:

No old business was presented.

NEW BUSINESS:

Board member Roman said that he had been thinking about the issue of service contracts. He thinks there should be some kind of comparison between different offers if the contract is over $100,000 and is associated with a public works project. He was uneasy with the way the Black & Veatch contract was handled in the last meeting. He is concerned about the public perception of what the USB does. He says that citizens have been asking him why the USB decided to move forward on a project on a consultant's advice and then go ahead and grant the contract to the same consultant for professional services connected to that public works project. Board President Swafford said the issue can be discussed at the next Finance Subcommittee meeting.

Board member Banach said that he would support that also. It is something that has been discussed for awhile and a formal mechanism would make all of them feel better.

SUBCOMMITTEE REPORTS:

There were no subcommittee meetings.

STAFF REPORTS:

Utilities Director Murphy reported to the USB that on April 23rd Utilities had received a request for sanitary sewer service from Rick Coppock for 5240 S. Victor Pike. Mr. Murphy spoke to Mr. Coppock on behalf of his clients Jeremy and Jerry Shields. They listed 2 parcels they wanted service for. The Shields do not have any plans to develop the properties at this time. Mr. Murphy asked Mr. Coppock if there were any detailed plans that would allow for an informed decision to be made. He said they did not. Mr. Murphy told him he didn't think the intent of the USB was to allow any speculative type of approach for extensions. If they want to move this along they need to make a proposal. Mr. Murphy gave him the options of meeting with his clients to ask them to present a proposal that was not speculative in nature or he might want to wait until he had something more firm and established. He has not heard back from Mr. Coppock.

Board President Swafford asked if the property in question is in the exclusionary zone. Mr. Murphy said it is. The USB agreed this was inappropriate.

Water Quality Coordinator Atz gave a Power Point presentation on a water conservation project she has developed for and with local schools. The presentation is attached to these minutes.

Ex-officio board member Mayer asked Ms. Atz if she had given her presentation to any private schools or home schools. Ms. Atz said that the Lighthouse Christian Academy had been very interested. She presented to all of the 2nd and 3rd grade classes.

Board member Banach asked if other staff members had helped Ms. Atz with her presentations. She said that it was mostly her. Utilities Director Murphy had come to her in March and asked her to put together this presentation for Be Waterwise month which is in May. She hopes that next year the program can be expanded and offered to more teachers. Mr. Banach said he thought it was a great idea and is in line with all the conservation talks the USB has been having. Ms. Atz said she would like it to be expanded to include wastewater and storm water education.

Board President Swafford asked how many schools she had gone to. Ms. Atz said she went to Templeton, 8 different Bloomington High School South classes, University Elementary, and Unionville.

PETITIONS AND COMMUNICATIONS:

Board President said that he had a plaque for board member Henke who resigned from the USB effective May 31st. Mr. Swafford said he will get the plaque to Mr. Henke who was unable to attend the meeting. He said they will all miss Mr. Henke who was a good board member and contributed a great deal.

ADJOURNMENT:

The meeting was adjourned at 5:33 p.m.

_____

L. Thomas Swafford, President

CITY OF BLOOMINGTON INDIANA

2008
Water Wise Academy

Water Education

- Strategic Development Meetings
- Community Outreach
- Educating Future Customers
- Pilot Program

Program Goals

- Hands On Activities … Reach All …
- Water Challenges

Program Participants

- Monroe County Community School
- Private Schools
- Home School Association

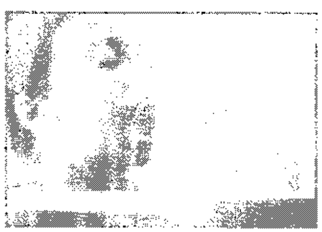
Water Wise Academy Launched – April '08

BE WATER WISE BLOOMINGTON
~ May 2008 ~

The City of Bloomington Utilities Department's
Office of Water Quality Presents:

The Water Wise Academy

Classroom & Fieldtrip Activities
Fun for every grade level
Hands on learning experience
Scheduled days & times are flexible



- *How much water do I use?*
- *Where does Bloomington's water come from?*
- *How is drinking water made?*
- *What is the water cycle?*

Call or email today to enroll your students in the 2008 Water Wise Academy!
For more information contact Rachel Atz
wq@bloomington.in.gov or 812.349.3655

CITY OF BLOOMINGTON

Monroe County Community School Corporation

Superintendent's Office 315 E. North Drive Bloomington, IN 47401

I have approved a request from the City of Bloomington Utilities Department to leave a supply of *"The Water Wise Academy"* flyers at MCCSC schools for teachers to pick up. Principals will determine the best way to disseminate this information to teachers.

A copy of this permission should be included with flyers delivered to the schools.

James Harvey

James A. Harvey
Superintendent of Schools

Date: 4/17/08

Contact: Rachel Atz
Phone: 349-3655
Fax: 349-3683

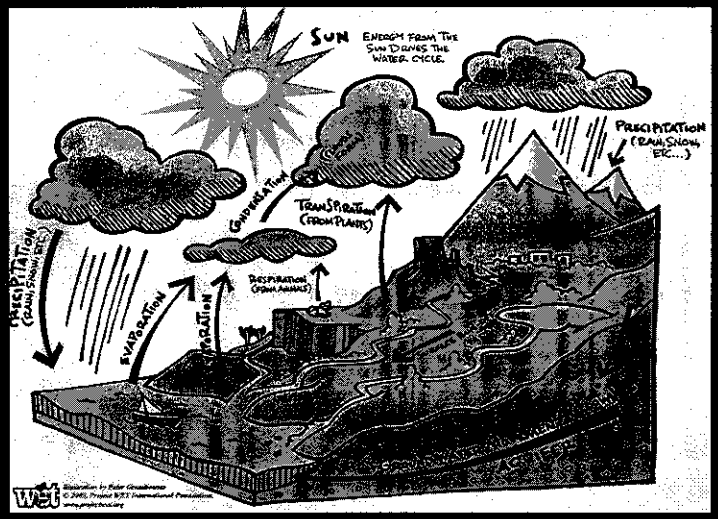
atzr@bloomington.in.gov

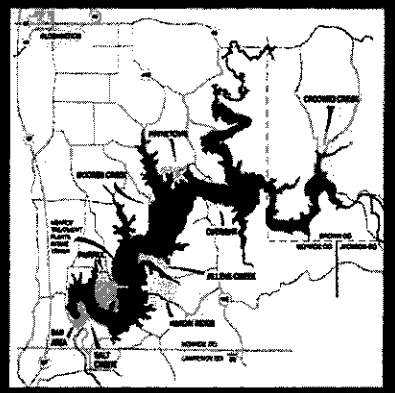
[Permission sent electronically by J. Tupper]

APPROVED

Curriculum

- Project WET Program
- Water Cycle
- Drinking Water Education
  - Water Treatment
  - Water Distribution Systems
  - Local Water Conservation Ordinance
  - Water Conservation





PROJECT WET
Water Education for Teachers

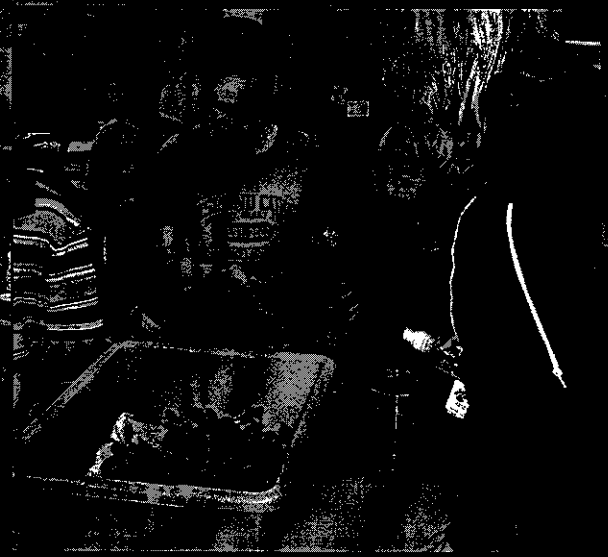
Only Tap Water **Delivers**® | Drinking Water Week 2008

Activities

- DVD
- Local Water Information
- Terrariums
- Green Building and Sustainability
- How Our Water System [illegible]

Community Engagement

- 300 Student Engagements
- Bryan Park and Trail Development
- New Year's Availability



What's Next?

- Increase awareness
- Expand
- Grant Opportunities
  - Electric
  - Bicycles and Walking

CITY OF BLOOMINGTON INDIANA

Questions/Comments

UTILITIES SERVICE BOARD MOTION
MEETING ON JUNE 09, 2008

To:	Tom Swafford, President	From:	Kim Robertson
Dept.	Utilities Service Board	Dept.	Accounts Payable
Sub:	Claims list filed: 06/04/08	Date:	06/05/08
	USB: 06/09/08		
	For Period: 05/12/08 - 05/23/08	**Paydate:**	**06/13/08**
	G/L Date: 6/13/2008		

Utilities Department claims filed with the City Controller June 04, 2008 and signed by the Utilities Service Board for payment June 13, 2008 as in accordance with the Utilities Service Board Resolution of August 7, 1973, be hereby approved and entered into the minutes of today's meeting. A copy of the list is filed, with any exceptions noted, is hereby attached and made a part of these proceedings.

Water Operations & Maintenance	452,763.46
Water Construction	0.00
Water Meter Deposit	0.00
Water Sinking	0.00
Water Hydrant Meter Rental	300.00
Total of Water Utilities as per the claims list:	$453,063.46
Wastewater Operations & Maintenance	225,194.20
Wastewater Construction	0.00
Wastewater Sinking	1,080.00
Total of Wastewater Utilities as per the claims list:	$226,274.20
Stormwater	857.17
Stormwater Construction	0.00
Total of Stormwater Utility as per the claims list:	$857.17
Total Water Utility:	**$453,063.46**
Total Wastewater Utility:	**$226,274.20**
Total Stormwater Utility:	**$857.17**
TOTAL WATER, WASTEWATER & STORMWATER UTILITIES	**$680,194.83**

REGISTER OF CLAIMS
City of Bloomington Utilities
Water and Wastewater Department
For Period:_____ thru _____.

Paydate : 13-JUN-2008

Claim NBR	Name of Claimant	Total Claim Amount	Water Amount	Wastewater Amount	Stormwater Amount	Memorandum
0830477	AT&T MOBILITY	2.33	0.00	2.33	0.00	SERVICE - T FLYNN - 4/07 - 5/06/08 - BP
0830478	AT&T MOBILITY	24.44	0.00	24.44	0.00	SERVICE - T FLYNN, B JOHNSON, Y2K - 4/12 - 5/11/08 - BP
0830479	AT&T MOBILITY	133.23	0.00	133.23	0.00	SERVICE - W HENDERSON, Y2K, S DRAKE, D MCCONNELL - 4/12 - 5/11/08 - DR
0830481	ANBRO ELECTRIC CO INC	428.56	0.00	428.56	0.00	MATERIAL & LABOR TO REPIPE RECEPTACLE FEED POWER TO BASEMENT OF LIFT STATION - BP
0830482	BATTERIES PLUS	101.14	0.00	101.14	0.00	2 12-PK "D" BATTERIES, 4 PK "AA" BATTERIES, 2 6V BATTERIES - DR
0830483	CARTRICHARGE C C I	127.50	0.00	127.50	0.00	FEED ROLLERS, SEPARATION PAD & LABOR FOR HP4000 & HP4100 - DR
0830484	COLUMBUS INDUSTRIAL ELECTRIC INC	1,208.56	0.00	1,208.56	0.00	BALDOR 250HP 3600 RPM 449TS FRAME, BLOWER MOTOR, NEW BEARINGS, SHAFT & HOUSING REPAIR - BP
0830485	COMMERCIAL SERVICE OF BLOOMINGTON INC	1,234.00	0.00	1,234.00	0.00	ANNUAL BILLING FOR HVAC PREVENTIVE MAINTENANCE CONTRACT @ DILLMAN WWTP - 4/29/08 - 4/28/09 - DR
0830486	ENVIRONMENTAL FIELD SERVICES INC	17,174.52	0.00	17,174.52	0.00	OPERATION & MAINTENANCE SERVICES FOR THE ILLINOIS CENTRAL WATER TREATMENT PLANT - APRIL 2008 - ENV
0830487	ENVIRONMENTAL RESOURCE ASSOCIATES	133.52	0.00	133.52	0.00	E-COLI ANALYSIS AS PART OF DILLMAN WWTP NPDES PERMIT - DR
0830488	ENVIRONMENTAL SERVICES GROUP LAB INC	95.00	0.00	95.00	0.00	TESTING - APRIL GRIT COMPOSITE - 5/08/08 - DR
		170.00	0.00	170.00	0.00	TESTING - EFFLUENT COMP - 5/08 & 5/15/08 - DR
		85.00	0.00	85.00	0.00	TESTING - RAW COMPOSITE - 5/08/08 - DR
	0830488 total amount	$350.00	$0.00	$350.00	$0.00	
0830489	FISHER SCIENTIFIC PRODUCTS	1,175.10	0.00	1,175.10	0.00	20 BOXES FISHERBRAND GLASS FIBER CIRCLES - BP
0830490	GENERAL CHEMICAL	8,561.64	0.00	8,561.64	0.00	ALUM - 11.783 @ 255.00 DELIVERED 5/12/08, 11.011 @ 255.00 DELIVERED 5/13/08, 10.781 DELIVERED 5/19/08 TO DILLMAN WWTP - DR
0830491	HACH COMPANY	2,747.45	0.00	2,747.45	0.00	STANDARD CONTROLLER, POWER CORD, DISSOLVED OXYGEN PROBE W CABLE - DR
0830492	HOOSIER DOOR COMMERCIAL CORP	3,785.00	0.00	3,785.00	0.00	REPLACE OVERHEAD DOOR IN THE ROTARY SCREEN ROOM - DR
0830493	INDIANA OXYGEN CO	158.99	0.00	158.99	0.00	COMPRESSED OXYGEN, ACETYLENE, COMPRESSED GASES, PROPANE, BANDIT BLACK ESPRESS - DR
0830494	INDUSTRIAL SERVICE AND SUPPLY INC	299.87	0.00	299.87	0.00	MISC COUPLINGS, CLAMPS & SMALL PARTS - BP
0830495	ITT WATER & WASTEWATER INDIANA LLC	1,234.50	0.00	1,234.50	0.00	1 6" PUMP, 2 20' SUCTION HOSE 6", 1 50' DISCHARGE HOSE 6" USED TO PUMP THE LAGOON TO DRYING BEDS - DR

Claim NBR	Name of Claimant	Total Claim Amount	Water Amount	Wastewater Amount	Stormwater Amount	Memorandum
0830496	LANGLEY, JOHN N	18.00	0.00	18.00	0.00	MEAL REIMBURSEMENT PER DIEM & PARKING REIMBURSEMENT WHILE ATTENDING TRAINING COURSE ON NEW NATIONAL PRETREATMENT PROGRAM RULES @ INDIANAPOLIS, IN – 4/29/08 – DIR
0830497	LAWSON PRODUCTS INC	1,912.64	0.00	1,912.64	0.00	MISC BUSHINGS, COUPLINGS, REDUCERS, FITTINGS, ADAPTERS & OTHER SMALL PARTS USED BY MAINTENANCE – DR
0830498	LAWSON PRODUCTS INC	129.35	0.00	129.35	0.00	30 INSERT LOCK NUTS, 20 CAP SCREWS – DR
0830499	MACALLISTER MACHINERY CO INC	7,518.00	0.00	7,518.00	0.00	(S08-5201) – RENTAL OF TRENCH ROLLER PAD FOOT 33" – MARCH, APRIL & MAY 2008 – TD
0830500	NAPA AUTO PARTS	754.08	0.00	754.08	0.00	6 6-VOLT DEEP CYCLE BATTERIES, 6 CORE DEPOSITS, MOBIL OIL – DR
0830501	SCHAEFFER MFG CO	73.08	0.00	73.08	0.00	5 GALLON HTC FOR AIR COMPRESSORS – DR
0830502	SOUTH CENTRAL INDIANA R E M C	25,773.93	0.00	25,773.93	0.00	SERVICE – BLUCHER POOLE – 4/16 – 5/13/08 – BP
0830503	THYSSENKRUPP MATERIALS NA INC	1,732.67	0.00	1,732.67	0.00	ALUMINUM ANGLE IRON, ALUMINUM KICK BOARD PLATES – DR
0830504	UNITED RENTALS	75.62	0.00	75.62	0.00	(S02-4603-C) – RENTAL OF PORTABLE WELDER, WELDING GLOVES – 5/16 – 5/19/08 – TD
0830505	B L ANDERSON CO INC	623.50	0.00	623.50	0.00	2 BX MARPRENE TUBING, 10 HOSE BARB FITTINGS TO REPAIR SODIUM HYPOCHLORITE PUMPS – DR
0830506	PRAXAIR GAS TECH	383.69	0.00	383.69	0.00	ARGON, ACETYLENE – 5/13/08 – LAB
0830507	ITT WATER & WASTEWATER INDIANA LLC	3,270.00	0.00	3,270.00	0.00	(S02-4603-C) – BY-PASS PUMPING FOR FIELDSTONE LIFT STATION – TD
0830508	B B C PUMP AND EQUIPMENT CO INC	7,080.00	0.00	7,080.00	0.00	10 VIPER UNITES FOR ALARM UNITS @ LIFT STATIONS – LS, TD
0830509	CONTINENTAL RESEARCH CORP	464.57	0.00	464.57	0.00	24 ALL CLEAR CLEANER, 1 CS MOLY COAT LUB SPRAY – BP
0830510	BANK OF NEW YORK	1,080.00	0.00	1,080.00	0.00	ANNUAL FEE FOR THE PERIOD MAY 1, 2008 TO APRIL 30, 2009 – SEWAGE WORKS REVENUE BONDS OF 1999, SERIES A – ACCT
0830511	CITY OF BLOOMINGTON UTILITIES	90.00	0.00	90.00	0.00	REIMBURSE PETTY CASH – RECEIPT #'S 1199 – 1202 – 5/13/08 – 6/04/08 – ACCT
0830513	INDIANA RAIL ROAD COMPANY	5,000.00	0.00	5,000.00	0.00	(S07-5103) – LICENSE TO BORE AND INSTALL 12" SANITARY SEWER IN A 24" STEEL CASING UNDER THE INDIANA RAIL ROAD TRACKS ADJACENT TO MEADOW PARK APARTMENTS AS PART OF THE SHEFFIELD LIFT STATION ELIMINATION PROJECT – ENG
0890756	AT&T MOBILITY	29.88	11.95	17.93	0.00	SERVICE – HARDIN, RAPER, NEAL, STALEY, R HARDIN – 4/07 – 5/06/08 – TD
0890757	AT&T MOBILITY	26.58	10.63	15.95	0.00	SERVICE – CONTROL DESK – 4/12 – 5/11/08 – COMM
0890758	AT&T MOBILITY	84.81	33.92	50.89	0.00	SERVICE – J LANGLEY, R ATZ, S MIYA, J CALLAHAN – 4/12 – 5/11/08 – DIR
0890759	AT&T MOBILITY	318.62	127.45	191.17	0.00	SERVICE – HICKS, FLEIG, POWELL, BENGTSON, N AXSOM, MUELLER, NETTLETON, REINHOLD, PEDEN, T AXSOM, MYERS, MCNEAL – 4/12 – 5/11/08 – ENG
0890760	AT&T MOBILITY	26.79	26.79	0.00	0.00	SERVICE – J TROTTER, B MILBOURN – 4/12 – 5/11/08 – MN

Claim NBR	Name of Claimant	Total Claim Amount	Water Amount	Wastewater Amount	Stormwater Amount	Memorandum
0890761	AT&T MOBILITY	16.74	6.70	10.04	0.00	SERVICE - J MARTINDALE - 4/12 - 5/11/08 - PUR
0890762	AT&T MOBILITY	91.47	91.47	0.00	0.00	(W06-3002) - SERVICE - P SODERQUIST - BLACK & VEATCH @ MONROE WTP - 4/12 - 5/11/08 - MN, ENG
0890763	AT&T MOBILITY	374.83	144.76	230.07	0.00	SERVICE - SHERFIELD, HOUSEL, MCHALEY, PERRY, KLARICH, L HARDIN, RAPER, NEAL, STALEY, R HARDIN, LS CREWS, SCHROEDER, EMERGENCY, CHASTEEN - 4/12 - 5/11/08 - TD
0890764	A T AND T	22.86	12.33	10.53	0.00	(W06-3002) - LONG DISTANCE CHARGES FOR ALL PLANTS & PROJECT #W06-3002 - APRIL 2008 - MN, SC
0890765	A T AND T	61.30	24.52	36.78	0.00	LONG DISTANCE CHARGES FOR ALL UTILITIES DEPARTMENTS (EXCLUDING PLANTS) - APRIL 2008 - SC
0890766	A T AND T	260.26	260.26	0.00	0.00	SERVICE - GRIFFY, BARGE LANE TANK - 5/13 - 6/18/08 - GR, BS
0890767	AIRGAS SPECIALTY PRODUCTS INC	1,855.62	1,855.62	0.00	0.00	AQUA AMMONIA / AMMONIUM HYDROXIDE SOLUTION - 23790 @ .078 - DELIVERED TO MONROE WTP - 5/14/08 - MN
0890769	ALL PHASE ELECTRIC SUPPLY CO	22.74	22.74	0.00	0.00	30 MINIATURE INDICATOR BULBS FOR HIGH SERVICE PUMP #2 - MN
0890770	ARMSTRONG, DENNIS	36.36	36.36	0.00	0.00	MILEAGE REIMBURSEMENT FOR (3) EMERGENCY CALL OUTS FOR MAIN BREAKS - 5/06, 5/14 & 5/17/08 - PUR
0890771	BATTERIES PLUS	5.98	2.39	3.59	0.00	2 1.5V WATCH BATTERIES - MS, TD
0890772	BAUGH ENTERPRISES INC	9,695.05	3,878.02	5,817.03	0.00	PRINTING, SUPPLIES & POSTAGE FOR WATER / WASTEWATER BILLS - MAY 2008 - AR, ACCT
0890773	BLACK AND VEATCH ENGINEERING	55,589.79	55,589.79	0.00	0.00	(W06-3002) - MONROE WTP - FILTER REHABILITATION - THROUGH 5/02/08 - MN, ENG
0890774	BLACK LUMBER CO INC	17.98	7.19	10.79	0.00	2 C-CLAMPS - TD
0890775	BLOOMINGTON HOSPITAL	117.00	46.80	70.20	0.00	OH ADMINISTER VACCINE / TOXOID SINGLE, OH HEPATITIS A & B COMBINATION VACCINE FOR 1 T&D EMPLOYEE - 5/08/08 - TD
		78.00	31.20	46.80	0.00	OH D/A DOT DRUG SCREEN FOR 2 T&D EMPLOYEES - 4/28 & 4/29/08 - TD
		227.00	90.80	136.20	0.00	OH HEPATITIS B VACCINE, OH ADMINISTER VACCINE/TOXOID SINGLE, OH HEPATITIS A VACCINE, OH HEPATITIS A & B COMBINATION VACCINE FOR 1 T&D EMPLOYEE - 4/30/08 - TD
0890775	total amount	$422.00	$168.80	$253.20	$0.00	
0890776	STIDD, LARRY	349.50	139.80	209.70	0.00	10,000 DAILY WORK LOGS - TD
0890777	BROWNING CONSTRUCTION INC	100.00	100.00	0.00	0.00	REFUND HYDRANT METER DEPOSIT PAID 11/15/05 - RECEIPT #36675 - AR
0890778	BUTLER, FAIRMAN AND SEUFERT INC	948.00	948.00	0.00	0.00	(W07-3100) - ENGINEERING SERVICES - COUNTRY CLUB ROAD WATER MAIN - 12/01/07 - 4/30/08 - ENG
0890779	CHEMICAL RESOURCES INC	8,111.27	8,111.27	0.00	0.00	HFS ACID - 21.2902 @ 382.60 - DELIVERED TO MONROE WTP - 5/07/08 - CREDIT MEMO FOR DRUM DEPOSIT 3/24/08 - MN
0890780	CITIMORTGAGE INC	21,335.94	16,603.87	4,732.07	0.00	ENERGY SAVINGS PROJECT - INSTALLMENT CONTRACT - DUE 7/01/08 - DIR
0890782	CITY OF BLOOMINGTON UTILITIES	100.00	100.00	0.00	0.00	REFUND HYDRANT METER DEPOSIT PAID BY NORMAN ALLEN - RECEIPT #36680 ON 12/12/05 - ACCOUNT HAS BEEN FORWARDED TO IEI FINANCIAL FOR COLLECTIONS - AR
0890783	COMMERCIAL SERVICE OF BLOOMINGTON INC	2,930.00	2,930.00	0.00	0.00	ANNUAL BILLING FOR HVAC PREVENTIVE MAINTENANCE CONTRACT @ MONROE WTP - 4/29/08 - 4/28/09 - MN

Claim NBR	Name of Claimant	Total Claim Amount	Water Amount	Wastewater Amount	Stormwater Amount	Memorandum
0890784	COSNER'S ICE CO	40.50	16.20	24.30	0.00	ICE - DELIVERED 5/19/08 - TD
0890785	CULY CONTRUCTION AND EXCAVATING INC	13,875.00	13,875.00	0.00	0.00	(W08-3203) - SINGLE 20" LINESTOP - TD
0890786	EVERETT J PRESCOTT INC	39,306.00	15,722.40	23,583.60	0.00	(WS07-12304) - 300 SRII METERS 3/4" - TD
0890787	EVERETT J PRESCOTT INC	11,091.15	4,436.46	6,654.69	0.00	50 3/4" SRII REGISTERS, 20 1" SRII REGISTERS, 10 1/2" SR REGISTER, 100 3/4" ROCKSYN MEASURING CHAMBER, 25 1" ROCKSYN MEASURING CHAMBER, 50 1" SR11 BOTTOM PLATE IRON - USED FOR METER REPAIR - MS, TD
0890789	GENERAL CHEMICAL	6,025.91	6,025.91	0.00	0.00	ALUM - 11.784 @ 255.00 DELIVERED 5/12/08, 11.847 @ 255.00 DELIVERED 5/14/08 TO MONROE WTP - MN
0890790	GOOLDY AND SONS INC	750.00	250.00	250.00	250.00	FOOT PEDDLE DRINKING FOUNTAIN - TO BE USED FOR THE TASTE OF BLOOMINGTON AND OTHER EVENTS - DIR
0890791	HP PRODUCTS	888.69	355.48	533.21	0.00	4 GAL SOAP, 2 CS TOILET TISSUE, 5 CS ACCUWIPES, 6 CS C-FOLD TOWELS, 2 CS BLACK 40X46 CAN LINERS, 2 CS BLACK 46X50 CAN LINERS, 3 BLACK 16X14X36 CAN LINERS - SC
0890792	HP PRODUCTS	50.95	50.95	0.00	0.00	2 CS CAN LINERS - MN
0890793	IEI FINANCIAL SERVICES LLC	188.01	75.20	112.81	0.00	COLLECTION AGENCY FEE - COLLECTION OF DEBIT ON OLD ACCOUNTS - 5/01 - 5/15/08 - AR
0890794	INDUSTRIAL SERVICE AND SUPPLY INC	171.12	68.45	102.67	0.00	2" PUMP HOSE & MISC SMALL PARTS - TD
0890795	IRVING MATERIALS INC	1,001.63	778.88	0.00	222.75	CONCRETE - MAIN BREAK & STORM - 5/19 & 5/21/08 - SW, TD
0890796	IRVING MATERIALS INC	2,952.25	1,932.25	1,020.00	0.00	(W08-3203, S02-4603-C) - CONCRETE - 5/15 - 5/17/08 - TD
0890797	J AND S LOCKSMITH SHOP	45.24	45.24	0.00	0.00	2-CYCLE OIL, WEED EATER HEAD - MN
0890798	JONES CHEMICALS INC	8,561.24	8,561.24	0.00	0.00	SODIUM HYDROXIDE - 5,9139 @ 497.22 DELIVERED 5/08/08, 11.3043 @ 497.22 DELIVERED 5/15/08 TO MONROE WTP - MN
0890799	JONES CHEMICALS INC	6,064.53	6,064.53	0.00	0.00	SODIUM HYPOCHLORITE - 4,155 @ .6990 DELIVERED 5/14/08, 4,521 @ .6990 DELIVERED 5/20/08 TO MONROE WTP - MN
0890800	KERR ASPHALT PAVING	1,235.00	1,235.00	0.00	0.00	SEAL & REPAIR ASPHALT @ BLOOMINGTON LIQUORS NORTH ON WALNUT ST - TD
0890801	KIRBY RISK CORP	156.00	156.00	0.00	0.00	75 FLUORESCENT LAMPS - MN
0890802	KOORSEN PROTECTION SERVICE INC	59.95	23.98	35.97	0.00	MONITORING FEES - WASHINGTON ST STORAGE - MAY 2008 - SC
0890803	MADDOX INDUSTRIAL CONTRACTORS	162,355.00	162,355.00	0.00	0.00	(W06-3002-C) - MONROE WTP FILTER REHABILITATION - APPLICATION #5 - PERIOD TO: 4/30/08 - MN, ENG
0890804	MAXWELLS OFFICE SUPPLY	97.10	38.84	58.26	0.00	MISC OFFICE SUPPLIES - 5/13 - 5/19/08 - DIR, ACCT, PUR, COMM
0890805	MOHAWK LTD	2,379.05	951.62	1,427.43	0.00	LINE TRACER METRO TECH FOR TRUCK #601 - TD
0890806	MONROE COUNTY SOLID WASTE MANAGEMENT DISTRICT	37.80	37.80	0.00	0.00	DISPOSAL OF FLUORESCENT LAMPS - 5/09/08 - MN
0890807	MONROE COUNTY SOLID WASTE MANAGEMENT DISTRICT	1,556.78	622.71	934.07	0.00	DISPOSAL OF OLD PAINT, AEROSOLS & FLAMMABLE LIQUIDS - 5/09/08 - TD

Claim NBR	Name of Claimant	Total Claim Amount	Water Amount	Wastewater Amount	Stormwater Amount	Memorandum
0890808	JOHN NAYLOR	128.47	128.47	0.00	0.00	(W08-3200) - #53 & #11 STONE - 5/07/08 - TD
0890809	POLLARD, JOSEPH G CO INC	1,438.11	1,438.11	0.00	0.00	4 POCKET COLORIMETER II TEST KITS - ENV
0890810	PITNEY BOWES INC	860.00	344.00	516.00	0.00	DESKTOP POSTAGE & MAILING SYSTEM METER - SC
0890811	POLLARD, JOSEPH G CO INC	535.52	535.52	0.00	0.00	25 HYDRANT WRENCHES FOR CREWS AND HYDRANT METER RENTALS - TD
0890812	PRECISION CONTROL SYSTEMS OF INDIANAPOLIS INC	179.75	179.75	0.00	0.00	LABOR TO TROUBLESHOOT PCL @ RESIDUALS BUILDING - MN
0890813	PRAXAIR GAS TECH	44.18	17.67	26.51	0.00	RENTAL OF COMPRESSED GAS CYLINDERS - 4/20 - 5/20/08 - LAB
0890814	ROGERS GROUP INC	7,927.23	2,334.50	5,592.73	0.00	(W08-3200, W08-3203, S02-4603-C, S08-5201) - #7, #11 STONE & COMM 53 - 4/28 - 5/17/08 - MAIN BREAK, STOCK, PROJECT #'S W08-3203, W08-3200, S08-5201, S02-4603-C - TD
0890815	ROGERS GROUP INC	4,330.13	1,711.28	2,520.47	98.38	(W06-3006) - ASPHALT - 4/22 - 5/16/08 - WATER, SEWER LINES, STORM & PROJECT #W06-3006 - SW, TD
0890816	TECHNOLOGY SERVICE CORPORATION	10,260.00	4,104.00	6,156.00	0.00	SUPPORT & MAINTENANCE OF THE CUBS UTILITIES BILLING SYSTEM - 9/04/07 - 12/28/07 - AR, DIR
0890817	SCHAEFFER MFG CO	96.40	96.40	0.00	0.00	MOLY UNIVERSAL GEAR LUBE - MN
0890818	TECHNOLOGY SERVICE CORPORATION	6,000.00	2,400.00	3,600.00	0.00	SUPPORT & MAINTENANCE OF THE CUBS UTILITIES BILLING SYSTEM - 1/11/08 - 4/15/08 - AR, DIR
0890819	TORIC ENGINEERING	1,176.00	1,176.00	0.00	0.00	FILTER PRESS PROGRAM CHANGES & MODIFICATIONS - ENG
0890820	METROCALL / USA MOBILITY	473.67	172.24	301.43	0.00	PAGER SERVICE FOR ALL UTILITIES DEPARTMENTS - 5/27/08 - 8/26/08 - ENG, MN, PUR, TD, MS, BP, DR
0890822	W W GRAINGER	314.04	314.04	0.00	0.00	6 ROUND AXIAL FANS FOR #4 LOW SERVICE PUMP CONTROLLER - MN
0890823	WHITE RIVER CO OP	198.00	79.20	118.80	0.00	2 50LB BAGS OF GRASS SEED - STOCK FOR YARD CREW - TD
0890824	SOUTH CENTRAL COMMUNITY ACTION PROGRAM	166.57	66.63	99.94	0.00	ADMINISTRATION FEES FOR WATER / WASTEWATER ASSISTANCE PROGRAM - 1/01/08 - 5/16/08 - DIR
0890825	DUKE ENERGY	53,880.58	2,724.77	51,155.81	0.00	SERVICE - MISC LIFT STATIONS, MISC BOOSTER STATIONS, GRIFFY, 3RD ST STORAGE, WEST TANK, DILLMAN WWTP - APRIL - MAY 2008 - SC, GR, TD, BS, DR, LS
0890826	FIA CARD SERVICES NA	16,038.50	6,140.52	9,611.94	286.04	(W08-3202, W08-3203, S02-4603-C) - CHARGE CARD PURCHASES FOR ALL UTILITIES DEPARTMENTS - MAY 2008 - DIR, SC, PUR, CR, LAB, MN, TD, BS, MS, ENG, BP, DR, LS, SW
0890827	UNITED PARCEL SERVICE	127.87	32.68	95.19	0.00	SHIPPING CHARGES - 5/07 - 5/14/08 - MN, TD, DR
0890828	KLEINDORFER HARDWARE	1,781.18	496.90	1,284.28	0.00	(W08-3203, S02-4603-C) - MISC PARTS & SUPPLIES - 3/26 - 5/23/08 - PROJECT #'S W08-3203, S02-4603-C & ENG, MN, TD, MS, BP, DR
0890830	BAKER STONE WORK INC	100.00	100.00	0.00	0.00	REFUND HYDRANT METER DEPOSIT - PAID 1/15/08 - RECEIPT #1037 - AR
0890831	HOOSIER DOOR COMMERCIAL CORP	125.00	50.00	75.00	0.00	SERVICE CALL ON 5/22/08 TO REPAIR OVERHEAD DOORS ON HILL - SC
0890832	UNITED STATES POSTAL SERVICE	1,700.00	680.00	1,020.00	0.00	1 YEAR POST OFFICE BOX FEE FOR PO BOX 1216 & PO BOX 2500 - SC, CR

Claim NBR	Name of Claimant	Total Claim Amount	Water Amount	Wastewater Amount	Stormwater Amount	Memorandum
0890833	VECTREN	2,722.27	2,692.61	29.66	0.00	SERVICE - MONROE WTP, TAMARRON LS - 4/23 - 5/27/08 - MN, LS
0890834	STATE OF INDIANA	101,951.60	101,951.60	0.00	0.00	(W07-3100) - COUNTRY CLUB ROAD AND ROGERS STREET WATER LINE RELOCATION - ENG
0890835	JFNEW	6,250.00	6,250.00	0.00	0.00	(W07-3101) - GRIFFY LAKE MASTER PLAN - THROUGH 4/30/08 - GR, ENG
0890836	FIA CARD SERVICES NA	4,807.01	1,922.80	2,884.21	0.00	UTILITIES PORTION FOR ORACLE QUARTERLY SOFTWARE UPDATE LICENSE AND SUPPORT FOR SERVICE CENTER - CHARGED ON D EUBANK'S CHARGE CARD - SC, DIR
	Total Claims Amount -	$680,194.83	$453,063.46	$226,274.20	$857.17	

DEPARTMENTS

ACCT	=	Accounting
BP	=	Blucher Poole WWTP
BS	=	Booster Station
COMM	=	Communications
CR	=	Customer Relations
DIR	=	Directors Office
DR	=	Dillman WWTP
ENG	=	Engineering
ES	=	Environmental Services
GR	=	Griffy WTP
LAB	=	Laboratory
LL	=	Lake Lemon
LS	=	Lift Station
MN	=	Monroe WTP
MS	=	Meter Service
PUR	=	Purchasing
SC	=	Service Center or (USB)
SW	=	Stormwater
TD	=	Transmission & Distribution
WT	=	Winston Thomas

City of Bloomington Utilities Department

Re: Credit Card Purchases for the City of Bloomington, IN Utility Department

Attached is a recent itemized credit card transaction list for the month of May, 2008. This transaction list has been itemized for your information. All transactions are considered in total in the declaration of claims. Purchases are categorized by the purchaser and list the item bought for use by the utility with the corresponding value of the goods purchased.

On the claims list for June 9, 2008 Board Meeting, you will find a total value of credit card transactions for the month of May under claim

#0890826 FIA Card Services.
#0890836 FIA Card Services.

For clarification of any item, please feel free to contact the accounting department.

UTILITIES SERVICE BOARD MOTION
MEETING ON JUNE 09, 2008

To:	Tom Swafford, President	From:	Kim Robertson
Dept.	Utilities Service Board	Dept.	Accounts Payable
Sub:	Claims list filed: 06/04/08	Date:	06/05/08
	USB: 06/09/08		
	For Period: 05/12/08 - 05/23/08	**Paydate:**	**06/13/08**
	G/L Date: 6/13/2008		

Utilities Department claims filed with the City Controller June 04, 2008 and signed by the Utilities Service Board for payment June 13, 2008 as in accordance with the Utilities Service Board Resolution of August 7, 1973, be hereby approved and entered into the minutes of today's meeting. A copy of the list is filed, with any exceptions noted, is hereby attached and made a part of these proceedings.

Water Operations & Maintenance	452,763.46
Water Construction	0.00
Water Meter Deposit	0.00
Water Sinking	0.00
Water Hydrant Meter Rental	300.00
Total of Water Utilities as per the claims list:	$453,063.46
Wastewater Operations & Maintenance	225,194.20
Wastewater Construction	0.00
Wastewater Sinking	1,080.00
Total of Wastewater Utilities as per the claims list:	$226,274.20
Stormwater	857.17
Stormwater Construction	0.00
Total of Stormwater Utility as per the claims list:	$857.17
Total Water Utility:	**$453,063.46**
Total Wastewater Utility:	**$226,274.20**
Total Stormwater Utility:	**$857.17**
TOTAL WATER, WASTEWATER & STORMWATER UTILITIES	**$680,194.83**

BLOOMINGTON INDUSTRIAL WASTE PRETREATMENT PERMIT

UTILITIES SERVICE BOARD
AUTHORIZATION TO DISCHARGE UNDER THE
CITY OF BLOOMINGTON PRETREATMENT PROGRAM

Schulte Corporation, located at 1500 S. Strong Drive, Bloomington, Indiana, in accordance with the provisions of the City of Bloomington Municipal Code (Title 10), is authorized to discharge from their metal finishing manufacturing processes into the City of Bloomington wastewater treatment system. The permittee is required to comply with effluent limitations, monitoring requirements, and other conditions set forth in Parts I and II hereof.

The permit shall become effective on the date of signature of the President of the Utilities Service Board.

This permit and the authorization to discharge shall expire at midnight June __, 2012. In order to receive authorization to discharge beyond the date of expiration, the permittee shall submit such information and forms as are required by the Utilities Service Board.

This permit cannot be transferred to any other owner, tenant, successor or assign. Signed this ___ day of June, 2008 for the Utilities Service Board.

L. Thomas Swafford, President
Utilities Service Board

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge from the three staged iron phosphate metal finishing manufacturing processes. Such discharge shall be limited and monitored by the permittee as specified below:

Stage 1 and Stage 3 Phosphate Treatment Tanks

POLLUTANT	DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS			
	Monthly Avg. Max.(mg/l)	Daily Max.(mg/l)	Measurement Frequency	Sample Type	Analytical Method	Detection Limit
Zinc, T	1.48	2.61	each batch	grab	200.7	0.01
Nickel, T	2.38	3.98	each batch	grab	200.7	0.01
Chromium, T	1.71	2.77	2 X annually*	grab	200.7	0.01
Lead, T	0.43	0.69	2 X annually	grab	200.7	0.01
Copper, T	2.07	3.38	2 X annually	grab	200.7	0.01
Cyanide, T	0.65	1.20	2 X annually	grab	335.2	0.01
Cadmium, T	0.26	0.69	2 X annually	grab	200.7	0.01
Silver, T	0.24	0.43	2 X annually	grab	200.7	0.01
TTO		2.13	2 X annually	grab	624 & 625	0.01
Mercury		0.00014	2 X Annually	grab	1631E	0.00001
pH		5.0-10.0	when sampling	grab		
Flow	---	---	when sampling	batch		

* Parameters which are to be analyzed twice annually shall be done in June and December or at least four months apart. In the event that any pollutant limitation is exceeded, more frequent sampling of the regulated wastewater may be required.

Stage 2 Continuous Flow Rinse Tank

POLLUTANT	DISCHARGE LIMITATIONS(*)		MONITORING REQUIREMENTS			
	Monthly Avg. Max.(mg/l)	Daily Max.(mg/l)	Measurement Frequency	Sample Type	Analytical Method	Detection Limit
Zinc, T	0.10	0.18	monthly	grab	200.7	0.01
Nickel, T	0.16	0.27	monthly	grab	200.7	0.01
Chromium, T	0.12	0.19	2 X annually(**)	grab	200.7	0.01
Lead, T	0.03	0.05	2 X annually	grab	200.7	0.01
Copper, T	0.14	0.23	2 X annually	grab	200.7	0.01
Cyanide, T	0.04	0.08	2 X annually	grab	335.2	0.01
Cadmium, T	0.02	0.05	2 X annually	grab	200.7	0.01
Silver, T	0.02	0.03	2 X annually	grab	200.7	0.01
TTO		0.14	2 X annually	grab	624 & 625	0.01
Mercury		0.00001	2 X Annually	grab	1631E	0.00001
pH		5.0-10.0	when sampling	grab		
Flow	---	---	when sampling	continuous		

(*) Stage 2 rinse water used for the metal finishing process is combined with cooling wastewater. Consequently, the discharge pollutant limitations were calculated using 40 CFR Part 403.6 Combined Wastestream Formulas (CWF) which is a method for calculating alternative pollutant limits at industrial facilities where regulated process effluent is mixed with other wastewaters prior to discharging the combined wastewater to the sewer system. The calculations are included in Appendix II.

(**) Parameters which are to be analyzed twice annually shall be done during the months of June and December. In the event that any pollutant limitation is exceeded, more frequent sampling of the regulated wastewater may be required.

(a) Pollutant discharge limits in Part I-A-1 are taken from Volume 40 Code of Federal Regulations (CFR) Part 433.17 Pretreatment Standards for New Sources, federal pretreatment standards for new metal finishers and the City of Bloomington Sewer Use Ordinance (Bloomington Municipal Code – Title 10).

(b) Mercury samples shall be collected using EPA Method 1631E.

(c) The combination of all wastewaters flowing from the facility shall conform to City of Bloomington Utilities Rules, Regulations and Standards of Service dated April 7, 2003, which may be amended by the Utilities Service Board of Bloomington, Indiana from time to time.

B. MONITORING AND REPORTING

1. Representative Sampling

Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored discharge. In other words, samples and measurements shall be taken during the permittee's normal working hours.

2. Sample collection and handling

Samples collected as required herein shall be preserved and shipped for analysis in accordance with procedures outlined in 40 CFR Part 136.

3. Reporting

The permittee shall submit monitoring reports to the Utilities Service Board containing results obtained during the previous month and shall be postmarked no later than the 28th day of the month following each completed monitoring period. The first report shall be postmarked by the 28th day of the month following the month in which this permit becomes effective. All reports shall be sent by mail to the following address:

Pretreatment Coordinator
Utilities Service Board
City of Bloomington Utilities Department
P. O. Box 1216
Bloomington, IN 47402-1216

4. Definitions

a. Effluent Limitations

(l) The monthly average maximum means the arithmetic mean of the parameter values for the effluent samples collected in a calendar month shall not exceed the monthly averages contained in the Discharge Limitation Section, Part I-A-l of this permit for concentration and/or quantity.

(2) The daily maximum means the concentration value which shall not be exceeded for any singular grab or any composite effluent sample taken during any calendar day.

b. Average Discharge Limitation

(l) Weight Basis - The average discharge means the total discharge by weight during a calendar month divided by the number of days in the month that the production or commercial facility was discharging. Where less than daily sampling is required by this permit, the daily average discharge shall be determined by the summation of the measured daily discharges by weight divided by the number of days during the calendar month when the measurements were made.

(2) Concentration Basis - The average concentration means the arithmetic average (proportional to flow) of all daily determinations of concentration made during a calendar month. Daily determinations of concentration made using a composite sample shall be the concentration of the composite sample. When grab samples are used, the daily determination of concentration shall be the arithmetic average (weighted by flow value) of all the samples collected during the calendar day.

c. Maximum Discharge Limitation

(l) Weight Basis - The maximum discharge means the total discharge by weight during any calendar day.

(2) Concentration Basis - The maximum concentration means the daily determination of concentration for any calendar day.

d. Sample Type

(l) Grab samples are individual samples collected over a period of time not to exceed 15 minutes. Grab samples shall be taken manually. The sample volume depends on the number of analyses to be performed. Grab samples shall be collected from each batch of pretreated wastewater from Stage 1 and Stage 3 phosphate treatment tanks. Grab samples shall also be collected from the Stage 2 continuous rinse tank.

5. Test Procedures

Analytical procedures for samples of pollutants required herein shall conform to regulations published pursuant to 40 CFR Part 136.

6. Recording of Results

For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall maintain a Chain of Custody record which contains the following information:

a. The exact place, date, and time of sampling;

b. The name(s) and signature(s) of the person(s) who collected the sample;

c. The name(s) and signature(s) of the person (s) who transported and received the sample;

c. The dates the analyses were performed;

d. The person(s) who performed the analyses;

e. The analytical techniques or methods used

All analytical data submitted to CBU must be accompanied with the laboratory report and chain of custody. The laboratory report must include the analytical techniques or methods used and the laboratory detection limit for each analysis performed.

7. Additional Monitoring by Permittee

If the permittee monitors any pollutant at the location(s) designated herein more frequently than required by this permit, using approved analytical methods as specified above, the results of such monitoring shall be included in the calculation and reporting of the values required in the Utilities Service Board Monthly Monitoring Report. Reasons for such increased frequency shall also be indicated.

8. Records Retention

All records and information resulting from the monitoring activities required by this permit, including all records of analyses performed and calibration and maintenance of instrumentation and recording from continuous monitoring instrumentation, shall be retained for a minimum of three (3) years. This retention period may be extended during the course of any unresolved litigation regarding the discharge of pollutants by the permittee or when requested by the Utilities Service Board.

C. SCHEDULE OF COMPLIANCE

NO COMPLIANCE SCHEDULE APPLIES AT THE TIME OF ISSUANCE OF THIS PERMIT.

D. ADDITIONAL REPORTING REQUIREMENTS FOR PERMITTEE/ DISCHARGER

1. Baseline Report - 40 CFR Part 403.12(b)

Within 180 days after the effective date of a Categorical Pretreatment Standard, or 180 days after the final administrative decision made on a category, whichever is later, existing industrial users subject to such Categorical Pretreatment Standards and currently discharging to or scheduled to discharge to a POTW (Publicly Owned Treatment Works) will be required to submit to the Utilities Service Board a report containing the information listed in paragraph (b) (1)-(7) of 40 CFR Part 403.12(b).

2. Compliance Date Report - 40 CFR Part 403.12(d)

Within 90 days following the date for final compliance with an applicable pretreatment standard, any industrial user subject to those standards must submit to the Utilities Service Board a report indicating the nature and concentration of all pollutants in the discharge generated from the regulated process which are limited by Categorical Pretreatment Standards.

The report must also state whether applicable standards are being met on a consistent basis and, if not, what additional operation and maintenance and/or pretreatment is necessary to bring the discharge into compliance. This statement must be signed by an authorized representative of the industrial user.

3. Periodic Reports on Continued Compliance - 40 CFR Part 403.12(e)

The permittee, being subject to an applicable pretreatment standard must submit to the Utilities Service Board, hereinafter known as the Board, during the months of June and December, or more frequently if required by the Board, a report indicating the nature and concentration of prohibited or regulated substances in the discharge which are limited by the Categorical Pretreatment Standards. These regulated substances include chromium, cadmium, copper, lead, nickel, silver, zinc, cyanide, mercury, and TTO. In addition, this report must include a record of all measured or estimated average and maximum daily flows during the reporting period. Flows are to be reported on the basis of actual measurement, except, where cost or feasibility considerations justify, the Board may accept reports of average and maximum flows estimated by verifiable techniques. The Board, considering such factors as local high or low flow rates, holidays, budget cycles, or other extenuating factors may authorize submission of the reports on months other than those specified above.

E. TTO MONITORING REQUIREMENTS

1. The Total Toxic Organics (TTO) limitation is defined as the summation of all quantifiable values greater than 0.01 mg/l for the toxic organic compounds (TOC) listed below. For each TOC used at the facility, an analysis for that compound must be performed. The sum of all values for each TOC shall not exceed the TTO limitation in Part I-A-1.

PRIORITY POLLUTANTS

ACENAPHTHENE
ACROLEIN
ACRYLONITRILE
ALDRIN
DIELDRIN
BENZENE
BENZIDINE
CARBON TETRACHLORIDE
CHLORDANE (TECHNICAL MIXTURE AND METABOLITES)
CHLOROBENZENE
1,2,4-TRICHLOROBENZENE
HEXACHLOROBENZENE
1,2-DICHLOROETHANE
1,1,1-TRICHLOROETHANE
HEXACHLOROETHANE
1,1-DICHLOROETHANE
1,1,2-TRICHLOROETHANE
1,1,2,2-TETRACHLOROETHANE

CHLOROETHANE
BIS (2-CHLOROETHYL) ETHER
2-CHLOROETHYL VINYL ETHER (MIXED)
2-CHLORONAPHTHALENE
2,4,6-TRICHLOROPHENOL
PARACHLOROMETA CRESOL
CHLOROFORM (TRICHLOROMETHANE)
2-CHLOROPHENOL
1,2-DICHLOROBENZENE
1,3-DICHLOROBENZENE
1,4-DICHLOROBENZENE
3,3-DICHLOROBENZIDINE
1,1-DICHLOROETHYLENE
1,2-TRANS-DICHLOROETHYLENE
2,4-DICHLOROPHENOL
1,2-DICHLOROPROPANE
1,2-DICHLOROPROPYLENE
2,4-DIMETHYLPHENOL
2,4-DINITROTOLUENE
2,6-DINITROTOLUENE
1,2-DIPHENYLHYDRAZINE
ENDRIN
ETHYLBENZENE
FLUOROANTHENE
4-CHLOROPHENYL PHENYL ETHER
4-BROMOPHENYL PHENYL ETHER
BIS (2-CHOROISOPROPYL) ETHER
BIS (2-CHLOROETHOXY) METHANE
METHYLENE CHLORIDE (DICHLOROMETHANE)
METHYL CHORIDE (CHLOROMETHANE)
METHYL BROMIDE (BROMOMETHANE)
BROMOFORM (TRIBROMOMETHANE)
DICHLOROBROMOMETHANE
CHLORODIBROMOMETHANE
HEPTACHLOR AND METABOLITES
HEXACHLOROBUTADIENE
HEXACHLOROCYCLOPENTADIENE
ISOPHORONE
NAPHTHALENE
NITROBENZENE
2-NITROPHENOL
4-NITROPHENOL
2,4-DINITROPHENOL
4,6-DINITRO-O-CRESOL
N-NITROSODIMETHYLAMINE
N-NITROSODIPHENYLAMINE
N-NITROSODI-N-PROPYLAMINE
PENTACHLOROPHENOL
PHENOL
BIS (2-ETHYLHEXYL) PHTHLATE
BUTYL BENZYL PHTHLATE
DI-N-BUTYL PHTHLATE
DI-N-OCTYL PHTHLATE
DIETHYL PHTHLATE

DIMETHYL PHTHLATE
1,2-BENZANTHRACENE (BENZO (A) ANTHRACENE)
BENZO (A) PYRENE (3,4-BENZOPYRENE)
3,4-BENZOFLUORANTHANE (BENZO(b)FLUORANTHENE)
11,12-BENZOFLUORANTHENE (BENZO (K) FLUORANTHANE)
CHRYSENE
ACENAPHTHYLENE
ANTHRACENE
1,12-BENZOPERYLENE (BENZO (GHI) PERYLENE)
*DIBENZO (A,H) ANTHRACENE
FLUORENE
PHENANTHRENE
1,2,5,6-DIBENZANTHRACENE (DIBENZO(a,h)ANTHRACENE)
INDENO (1,2,3-cd) PYRENE (2,3-O-PHENLENE PYRENE)
PYRENE
TETRACHLOROETHYLENE
4,4'-DDT
4,4'-DDE (p,p-DDX)
4,4'-DDD (p,p-TDE)
ALPHA-ENDOSULFAN
BETA-ENDOSULFAN
ENDOSULFAN SULFATE
ENDRIN ALDEHYDE
HEPTACHLOR EPOXIDE (BHC-HEXACHLOROCYCLOHEXANE)
ALPHA-BHC
BETA-BHC
GAMMA-BHC (LINDANE)
DELTA-BHC
PCB-1242
PCB-1254
PCB-1221
PCB-1232
PCB-1248
PCB-1260
PCB-1016
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN (TCDD)
TOLUENE
TOXAPHENE
TRICHLOROETHYLENE
VINYL CHLORIDE (CHLOROETHYLENE)

2. It is herein noted that Schulte Corporation is in compliance with the TTO standard at the time of issuance of this permit.

F. REOPENING CLAUSE

This permit shall be modified, or alternatively, revoked and reissued, to comply with any applicable effluent limitation or standard issued or approved under section 307 (b) of the Clean Water Act, if the effluent limitation or standard so issued or approved:

1. Contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or

2. Controls any pollutant not limited in the permit.

The permit, as modified or reissued under this paragraph, shall also contain any other requirements of the Act then applicable.

PART II

BLOOMINGTON INDUSTRIAL WASTE PRETREATMENT PERMIT

A. MANAGEMENT REQUIREMENTS

1. Change in Discharge

All discharges authorized herein shall be consistent with the terms and conditions of this permit. The discharge of any pollutant identified in this permit more frequently than or at a level in excess of that authorized shall constitute a violation of the permit. Any anticipated facility expansions, production increases, or process modifications which will result in new, different or increased discharges of pollutants must be reported by submission of a new industrial waste pretreatment permit application or, if such changes will not violate the effluent limitations specified in this permit, by notice to the Utility Service Board of such changes. If at anytime, coating line 2 will be in operation, prior notice must be given to the Utility Service Board. Following such notice, the permit may be modified to specify and limit any pollutants not previously limited. Any change in discharge must also be reported to the authorized agent for the City listed under Part I-B-3, above.

2. Containment Facilities

When cyanide or cyanogen compounds are used in any of the processes at this facility the permittee shall provide approved facilities for the containment of any losses of these compounds in accordance with the requirements of 327 IAC 2-2-1.

3. Slug Control Plan

The permittee shall maintain and update annually a slug control plan which aims to prevent an accidental discharge to the sanitary sewer system. The plan must also contain all necessary information for employees on actions to take during a spill. A copy of the plan must be kept on file at all times and all employees shall be trained annually on the slug control plan. A list of all employees trained shall be kept on file.

4. Operator Certification

The permittee shall have the waste treatment facilities under the direct supervision of an operator certified by the Indiana Department of Environmental Management as required by IC 13-18-11.

5. Noncompliance Notification

If, for any reason, the permittee does not comply with or will be unable to comply with any daily maximum effluent limitation specified in this permit, the permittee shall provide the Utilities Service Board with the following information, in writing, within twenty-four hours (24) after becoming aware of such condition. In the event of a **slug discharge** of known substances regulated by this permit and/or regulated by 40 CFR Part 403.5, the permittee shall notify the Utilities Service Board by contacting either of the following persons within one hour of the discovery of such **slug loading** event:

Pretreatment Coordinator	Plant Superintendent
Utilities Department	Dillman Road WWTF
(812) 339-1444	(812) 824-4900

The verbal and written notifications under this provision shall include, at a minimum, the following information:

a. A description of the discharge and cause of non-compliance; and

b. The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncomplying discharge.

6. Facilities Operation

The permittee shall at all times maintain in good working order and operate as efficiently as possible, all treatment or control facilities or systems installed or used by the permittee to achieve compliance with the terms and conditions of this permit.

7. Adverse Impact

The permittee shall take all reasonable steps to minimize any adverse impact to the sewage treatment plant resulting from noncompliance with any effluent limitations specified in this permit, including such accelerated or additional monitoring necessary to determine the nature and impact of the noncomplying discharge.

8. Bypassing

Any diversion from or bypass of facilities necessary to maintain compliance with the terms and conditions of this permit is prohibited, except (i) where it would be unavoidable to prevent loss of life or severe property damage, or (ii) where excessive storm drainage or runoff would damage any facilities necessary for compliance with the effluent limitations and prohibitions of this permit. The permittee shall promptly notify the Utilities Service Board and the sewage treatment plant, by telephone and in writing, of such diversion or bypass.

9. Removed Substances- Slug Discharges Prohibited

Solids, sludge, filter backwash, or other pollutants removed from or resulting from treatment or control of wastewaters shall be disposed of in a manner which complies with all Indiana statutory provisions and regulations relative to refuse, liquid and/or solid waste disposal. Slug discharges of substances regulated by this permit and/or 40 CFR Part 403.5 (b) and/or Bloomington Municipal Code Section 10.12 are prohibited and constitute a violation of this permit.

10. Power Failures

When a power source is used to operate wastewater treatment facilities in order to maintain compliance with the effluent limitations and prohibitions of this permit, the permittee shall either:

a. Provide an alternative power source sufficient to operate facilities utilized by the permittee to maintain compliance with the effluent limitations and conditions of this permit, or

b. Upon the reduction, loss, or failure of one or more of the primary sources of power to facilities utilized by the permittee to maintain compliance with the effluent limitations and conditions of this permit, the permittee shall halt, reduce, or otherwise control production and/or discharge in order to maintain compliance with the effluent limitations and conditions of this permit.

B. RESPONSIBILITIES

1. Right of Entry

The permittee shall allow the Director of Utilities of the Utilities Service Board, and/or their authorized representatives and/or the authorized representatives of the City of Bloomington, upon the presentation of credentials:

a. To enter upon the permittee's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this permit; and

b. At reasonable times to have access to and copy any records required to be kept under the terms or conditions of this permit; to inspect any monitoring equipment or monitoring method required in this permit; and to sample any discharge of pollutants.

2. Transfer of Ownership or Control

This permit is not transferable and cannot be assigned to any other party.

3. Penalties for False Reporting

Knowingly making any false statement on any report required by this permit may result in the imposition of civil penalties as provided for in Bloomington Municipal Code Chapter 10.16.060.

4. Permit Modification

After notice and opportunity for hearing, this permit may be modified, suspended, or revoked, in whole or in part, during its term for cause including, but not limited to, the following:

a. Violation of any terms or conditions of this permit;

b. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or

c. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.

5. Toxic Pollutants

Notwithstanding Part II-B-4 above, if a toxic effluent pretreatment standard or prohibition (including any schedule of compliance specified in such effluent pretreatment standard or prohibition) is established under Section 307 (b) of the Clean Water Act for a toxic pollutant which is present in the discharge and such standard or prohibition is more stringent than any limitation for such pollutant in this permit, this permit shall be revised or modified in accordance with the toxic effluent pretreatment standard or prohibition and the permittee so notified.

6. Civil and Criminal Liability

Except as provided in permit conditions on "Bypassing" (Part II-A-8) and "Power Failures" (Part II-A-10), nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance, whether or not such noncompliance is due to factors beyond the facility's control, such as accidents, equipment breakdowns, or labor disputes.

Violation of any term or condition of this permit is punishable by fine of not more than $2,500 per violation pursuant to Bloomington Municipal Code Chapter 10.04.110 Penalties. In accordance with Bloomington Municipal Code Section 10.04.110, each day of non-compliance with a term or condition of this permit may be deemed a separate violation.

7. Oil and Hazardous Substance Liability

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under Section 311 of the Clean Water Act.

8. Property Rights

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights or infringement of Federal, State, or local laws or regulations.

9. Severability

The provisions of this permit are severable and if any provision of this permit, or the application of any provision of this permit to any circumstances is held invalid, the application of such provision to other circumstances and the remainder of this permit shall not be affected thereby.

10. Construction Permit

The permittee shall not construct, install, or modify any water pollution control facilities without compliance with Bloomington Municipal Code Chapter 10.16.

11. The lead operator of the pretreatment system shall be required to tour the Dillman Road Wastewater Treatment Plant a minimum of one time during the duration of this permit.

12. Permit Renewal Application

The permittee shall apply for a permit renewal a minimum of 180 days prior to the expiration of the existing permit.

Appendix I

Pretreatment Briefing Memo

PRETREATMENT PERMIT BRIEFING MEMO

Schulte Corporation
1500 S. Strong Dr.
Bloomington, IN 47403
Contact: Mr. Steve Koehl

Facility Description

This facility manufactures and distributes ventilated wire storage goods and melamine (wood) storage and organization products for use primarily in a residential setting. The regulated process is a conveyorized metal wire coating line, consisting of a 3 stage phosphate and rinse treatment system. This process discharges a total of 16,800 gpd. At the time of permit issuance, only coating line one is in operation.

Discharge Description

The total average daily wastewater discharge of 21,700 gpd is generated by the following sources:

16,800 gpd process water
100 gpd facility wash down water
2,500 gpd domestic water
2,300 gpd evaporation

Wastewater Treatment

The liquid from the phosphate treatment stages (stage 1 and stage 3) are neutralized with caustic soda or phosphoric acid to a pH between 6 and 8. The liquid is then drained into the sewer system. The remaining sludge is pumped from the tanks by Liquid Waste Removal, Inc. The discharge from the stage 2 rinse tank is continuous.

Selection of Parameters

This facility is regulated by the Metal Finishing Point Source Category, part 433, Subpart A Metal Finishing Subcategory, 433.17 Pretreatment Standard for New Sources (PSNS) and the City of Bloomington Sewer Use Ordinance (Bloomington Municipal Code – Title 10).

Samples will be collected for each batch discharge from stage 1 and stage 3 and analyzed for zinc, nickel, batch size, and pH. Samples will also be collected on a monthly basis from the stage 2 continuous flow rinse tank and analyzed for zinc, nickel, flow rate, and pH. Lead, copper, cadmium, chromium, silver, cyanide, TTO, and mercury will be monitored twice each year from stage 2 during the months of June and December. Lead, copper, cadmium, chromium, silver, cyanide, TTO, and mercury will be monitored twice each year from stage 1 and stage 3 during the months of June and December or at least 4 months apart.

Calculation of Limits

Schulte Corporation has one regulated process which is metal finishing and therefore is regulated under federal Metal Finishing regulations 40 CFR Part 433.17 and the local sewer use ordinance. Limits are in effect for cadmium, chromium, copper, cyanide, lead, nickel, zinc, silver, TTO, and mercury. Limits for this permit were taken from 40 CFR Part 433.17 and the City of Bloomington Sewer Use Ordinance (Bloomington Municipal Code – Title 10).

Stage 2 rinse water used for the metal finishing process is combined with cooling wastewater. Consequently, the discharge pollutant limitations were calculated using 40 CFR Part 403.6 Combined Wastestream Formulas (CWF) which is a method for calculating alternative pollutant limits at industrial facilities where regulated process effluent is mixed with other wastewaters prior to discharging the combined wastewater to the sewer system. The calculations are included in Appendix II.

Effect on Bloomington POTW

Issuance of this permit is not expected to present a significant impact on the collection or treatment systems.

Permit drafted by Shawn Miya, Pretreatment Coordinator, April 2008.

Appendix II

Combined Wastestream Calculations

Combined Wastestream Formula

$$C_T = \frac{\sum_{i=1}^{N} C_i F_i}{\sum_{i=1}^{N} F_i} \times \frac{F_T - F_D}{F_T}$$

C_T = Alternative concentration limit for the pollutant in the combined wastestream

C_i = Concentration-based categorical pretreatment standard for the pollutant in regulated stream i

F_i = Average daily flow (at least 30 day average) of regulated stream i

F_D = Average daily flow (at least 30 day average) of dilute wastestream(s)

F_T = Average daily flow (at least 30 day average) through the combined treatment facility (included regulated, unregulated and dilute wastestreams)

N= Total number of regulated streams

Stage 2 Continuous Flow Rinse Tank

Total Volume
1,500 gal tank turned 3 times per day = 4,500 gallons per day (gpd)

Source

Air Compressor
[7 gallons per minute (gpm) x (60 min x 10 hrs)] = 4,200 gpd

Process Rinse Water
Total tank volume gpd – Air Compressor Water gpd = Process Rinse Water
4,500 gpd – 4,200 gpd = 300 gpd

Daily Max Calculation

Zinc

C_i = 2.61 mg/l daily max

F_i = 300 gpd

F_D = 4,200 gpd

F_T = 4,500 gpd

N = 1

$$C_T = \frac{2.61 \text{ mg/l } (300)}{300} \times \frac{4{,}500 - 4{,}200}{4{,}500}$$

C_T = 0.18 mg/l daily max

Nickel

C_i = 3.98 mg/l daily max

F_i = 300 gpd

F_D = 4,200 gpd

F_T = 4,500 gpd

N = 1

$$C_T = \frac{3.98 \text{ mg/l } (300)}{300} \times \frac{4{,}500 - 4{,}200}{4{,}500}$$

C_T = 0.27 mg/l daily max

Chromium

C_i = 2.77 mg/l daily max

F_i = 300 gpd

F_D = 4,200 gpd

F_T = 4,500 gpd

N = 1

$$C_T = \frac{2.77 \text{ mg/l } (300)}{300} \times \frac{4{,}500 - 4{,}200}{4{,}500}$$

C_T = 0.19 mg/l daily max

Lead

C_i = 0.69 mg/l daily max

F_i = 300 gpd

F_D = 4,200 gpd

F_T = 4,500 gpd

N = 1

$$C_T = \frac{0.69 \text{ mg/l } (300)}{300} \times \frac{4{,}500 - 4{,}200}{4{,}500}$$

C_T = 0.05 mg/l daily max

Copper

C_i = 3.38 mg/l daily max

F_i = 300 gpd

F_D = 4,200 gpd

F_T = 4,500 gpd

N = 1

$$C_T = \frac{3.38 \text{ mg/l } (300)}{300} \times \frac{4{,}500 - 4{,}200}{4{,}500}$$

C_T = 0.23 mg/l daily max

Cyanide

C_i = 1.20 mg/l daily max

F_i = 300 gpd

F_D = 4,200 gpd

F_T = 4,500 gpd

N = 1

$$C_T = \frac{1.20 \text{ mg/l } (300)}{300} \times \frac{4{,}500 - 4{,}200}{4{,}500}$$

C_T = 0.08 mg/l daily max

Cadmium

C_i = 0.69 mg/l daily max

F_i = 300 gpd

F_D = 4,200 gpd

F_T = 4,500 gpd

N = 1

$$C_T = \frac{0.69 \text{ mg/l } (300)}{300} \times \frac{4{,}500 - 4{,}200}{4{,}500}$$

C_T = 0.05 mg/l daily max

Silver

C_i = 0.43 mg/l daily max

F_i = 300 gpd

F_D = 4,200 gpd

F_T = 4,500 gpd

N = 1

$$C_T = \frac{0.43 \text{ mg/l } (300)}{300} \times \frac{4{,}500 - 4{,}200}{4{,}500}$$

C_T = 0.03 mg/l daily max

TTO

C_i = 2.13 mg/l daily max

F_i = 300 gpd

F_D = 4,200 gpd

F_T = 4,500 gpd

N = 1

$$C_T = \frac{2.13 \text{ mg/l } (300)}{300} \times \frac{4{,}500 - 4{,}200}{4{,}500}$$

C_T = 0.14 mg/l daily max

Mercury

C_i = 0.00014 mg/l daily max

F_i = 300 gpd

F_D = 4,200 gpd

F_T = 4,500 gpd

N = 1

$$C_T = \frac{0.00014 \text{ mg/l } (300)}{300} \times \frac{4{,}500 - 4{,}200}{4{,}500}$$

C_T = 0.000009 mg/l daily max
Detection limit for mercury using analytical method 1631E is 0.00001 mg/l
Consequently, daily max for mercury is 0.00001 mg/l

Monthly Average Max Calculation

Zinc

C_i = 1.48 mg/l monthly average max

F_i = 300 gpd

F_D = 4,200 gpd

F_T = 4,500 gpd

N = 1

$$C_T = \frac{1.48 \text{ mg/l } (300)}{300} \times \frac{4{,}500 - 4{,}200}{4{,}500}$$

C_T = 0.10 mg/l monthly average max

Nickel

C_i = 2.38 mg/l monthly average max

F_i = 300 gpd

F_D = 4,200 gpd

F_T = 4,500 gpd

N = 1

$$C_T = \frac{2.38 \text{ mg/l } (300)}{300} \times \frac{4{,}500 - 4{,}200}{4{,}500}$$

C_T = 0.16 mg/l monthly average max

Chromium

C_i = 1.71 mg/l monthly average max

F_i = 300 gpd

F_D = 4,200 gpd

F_T = 4,500 gpd

N = 1

$$C_T = \frac{1.71 \text{ mg/l } (300)}{300} \times \frac{4{,}500 - 4{,}200}{4{,}500}$$

C_T = 0.12 mg/l monthly average max

Lead

C_i = 0.43 mg/l monthly average max

F_i = 300 gpd

F_D = 4,200 gpd

F_T = 4,500 gpd

N = 1

$$C_T = \frac{0.43 \text{ mg/l } (300)}{300} \times \frac{4{,}500 - 4{,}200}{4{,}500}$$

C_T = 0.03 mg/l monthly average max

Copper

C_i = 2.07 mg/l monthly average max

F_i = 300 gpd

F_D = 4,200 gpd

F_T = 4,500 gpd

N = 1

$$C_T = \frac{2.07 \text{ mg/l } (300)}{300} \times \frac{4{,}500 - 4{,}200}{4{,}500}$$

C_T = 0.14 mg/l monthly average max

Cyanide

C_i = 0.65 mg/l monthly average max

F_i = 300 gpd

F_D = 4,200 gpd

F_T = 4,500 gpd

N = 1

$$C_T = \frac{0.65 \text{ mg/l } (300)}{300} \times \frac{4{,}500 - 4{,}200}{4{,}500}$$

C_T = 0.04 mg/l monthly average max

Cadmium

C_i = 0.26 mg/l monthly average max

F_i = 300 gpd

F_D = 4,200 gpd

F_T = 4,500 gpd

N = 1

$$C_T = \frac{0.26 \text{ mg/l } (300)}{300} \times \frac{4{,}500 - 4{,}200}{4{,}500}$$

C_T = 0.02 mg/l monthly average max

Silver

C_i = 0.24 mg/l monthly average max

F_i = 300 gpd

F_D = 4,200 gpd

F_T = 4,500 gpd

N = 1

$$C_T = \frac{0.24 \text{ mg/l } (300)}{300} \times \frac{4{,}500 - 4{,}200}{4{,}500}$$

C_T = 0.02 mg/l monthly average max

Revised May 2008

BLOOMINGTON INDUSTRIAL WASTE PRETREATMENT PERMIT

UTILITIES SERVICE BOARD
AUTHORIZATION TO DISCHARGE UNDER THE
CITY OF BLOOMINGTON PRETREATMENT PROGRAM

General Electric Company, located at 301 N. Curry Pike, Bloomington, Indiana, in accordance with the provisions of the City of Bloomington Municipal Code (Title 10), is authorized to discharge from the approved pretreatment facility into the City of Bloomington wastewater treatment system. The permittee is required to comply with effluent limitations, monitoring requirements, and other conditions set forth in Parts I and II hereof.

The permit shall become effective on the date of signature of the President of the Utilities Service Board.

This permit and the authorization to discharge shall expire at midnight January 12, 2013. In order to receive authorization to discharge beyond the date of expiration, the permittee shall submit such information and forms as are required by the Utilities Service Board.

This permit cannot be transferred to any other owner, tenant, successor or assign. Signed this 26th day of November, 2007 for the Utilities Service Board.

_____

L. Thomas Swafford, President
Utilities Service Board

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge from outfall 001*. Such discharge shall be limited and monitored by the permittee as specified below:

POLLUTANT	DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS			
	Monthly Avg. Max.(mg/l)	Daily Max.(mg/l)	Measurement Frequency	Sample Type	Analytical Method	Detection Limit
Flow	---	---	when sampling	continuous		
Lead, T	0.43	0.69	2 X Annually	composite	200.7	0.01
Zinc, T	1.48	2.61	weekly	composite	200.7	0.01
Copper, T	2.07	3.38	2 X Annually	composite	200.7	0.01
Chromium, T	1.71	2.77	2 X Annually	composite	200.7	0.01
Cyanide, T	.65	1.20	2 X Annually	grab	335.2	0.01
Cadmium, T	0.26	0.69	2 X Annually	composite	200.7	0.01
Silver, T	0.24	0.43	2 X Annually	composite	200.7	0.01
Nickel, T	2.38	3.98	weekly	composite	200.7	0.01
TTO		2.13	2 X Annually	grab	624 & 625	0.01
pH		5.0 - 10.0	when sampling	grab		

(a) Outfall 001 is designated as the combined total of all wastewaters generated from the industrial wastewater pretreatment system, at its outfall to the City's wastewater system (BPO Bonderite Waste Treatment).

(b) Parameters which are to be analyzed twice annually shall be done during the months of June and December.

(c) All pollutant discharge limits in Part I-A-1 are taken from Volume 40 Code of Federal Regulations (CFR) Part 433.15, federal pretreatment standards for existing metal finishers.

B. MONITORING AND REPORTING

1. Representative Sampling

Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored discharge. In other words, samples and measurements shall be taken during the permittee's normal working hours.

2. Sample collection and handling

Samples collected as required herein shall be preserved and shipped for analysis in accordance with procedures outlined in 40 CFR Part 136.

3. Reporting

The permittee shall submit monitoring reports to the Utilities Service Board containing results obtained during the previous month and shall be postmarked no later than the 28th day of the month following each completed monitoring period. The first report shall be postmarked by

the 28th day of the month following the month in which this permit becomes effective. All reports shall be sent by mail to the following address:

Pretreatment Coordinator
Utilities Service Board
City of Bloomington Utilities Department
P. O. Box 1216
Bloomington, IN 47402-1216

4. Definitions

a. Effluent Limitations

(l) The monthly average maximum means the arithmetic mean of the parameter values for the effluent samples collected in a calendar month shall not exceed the monthly averages contained in the Discharge Limitation Section, Part I-A-l of this permit for concentration and/or quantity.

(2) The daily maximum means the concentration value which shall not be exceeded for any singular grab or any composite effluent sample taken during any calendar day.

b. Average Discharge Limitation

(l) Weight Basis - The average discharge means the total discharge by weight during a calendar month divided by the number of days in the month that the production or commercial facility was discharging. Where less than daily sampling is required by this permit, the daily average discharge shall be determined by the summation of the measured daily discharges by weight divided by the number of days during the calendar month when the measurements were made.

(2) Concentration Basis - The average concentration means the arithmetic average (proportional to flow) of all daily determinations of concentration made during a calendar month. Daily determinations of concentration made using a composite sample shall be the concentration of the composite sample. When grab samples are used, the daily determination of concentration shall be the arithmetic average (weighted by flow value) of all the samples collected during the calendar day.

c. Maximum Discharge Limitation

(l) Weight Basis - The maximum discharge means the total discharge by weight during any calendar day.

(2) Concentration Basis - The maximum concentration means the daily determination of concentration for any calendar day.

d. Sample Type

(l) Composite samples shall be interpreted as a composite of individual aliquot samples taken during wastewater processing hours of the facility and representative of the entire process flow. Individual aliquot samples shall be collected using the flow proportional sampling method where the sample volume is constant and the time interval between samples is proportional to stream flow. Individual aliquot sample volumes shall be dependent on the total volume of sample needed to analyze all required parameters. All samples shall be collected at the pretreatment effluent sample point.

4. Test Procedures

Analytical procedures for samples of pollutants required herein shall conform to regulations published pursuant to 40 CFR Part 136.

5. Recording of Results

For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall maintain a Chain of Custody record which contains the following information:

a. The exact place, date, and time of sampling;

b. The name(s) and signature(s) of the person(s) who collected the sample;

c. The name(s) and signature(s) of the person (s) who transported and received the sample;

c. The dates the analyses were performed;

d. The person(s) who performed the analyses;

e. The analytical techniques or methods used

All analytical data submitted to CBU must be accompanied with the laboratory report and chain of custody.

6. Additional Monitoring by Permittee

If the permittee monitors any pollutant at the location(s) designated herein more frequently than required by this permit, using approved analytical methods as specified above, the results of such monitoring shall be included in the calculation and reporting of the values required in the Utilities Service Board Monthly Monitoring Report. Reasons for such increased frequency shall also be indicated.

7. Records Retention

All records and information resulting from the monitoring activities required by this permit, including all records of analyses performed and calibration and maintenance of instrumentation and recording from continuous monitoring instrumentation, shall be retained for a minimum of three (3) years. This retention period may be extended during the course of any unresolved litigation regarding the discharge of pollutants by the permittee or when requested by the Utilities Service Board.

C. SCHEDULE OF COMPLIANCE

NO COMPLIANCE SCHEDULE APPLIES AT THE TIME OF ISSUANCE OF THIS PERMIT.

D. ADDITIONAL REPORTING REQUIREMENTS FOR PERMITTEE/ DISCHARGER

1. Baseline Report - 40 CFR Part 403.12(b)

Within 180 days after the effective date of a Categorical Pretreatment Standard, or 180 days after the final administrative decision made on a category, whichever is later, existing industrial users subject to such Categorical Pretreatment Standards and currently discharging to or scheduled to discharge to a POTW (Publicly Owned Treatment Works) will be required to submit to the Utilities Service Board a report containing the information listed in paragraph (b) (1)-(7) of 40 CFR Part 403.12(b).

2. Compliance Date Report - 40 CFR Part 403.12(d)

Within 90 days following the date for final compliance with an applicable pretreatment standard, any industrial user subject to those standards must submit to the Utilities Service Board a report indicating the nature and concentration of all pollutants in the discharge generated from the regulated process which are limited by Categorical Pretreatment Standards.

The report must also state whether applicable standards are being met on a consistent basis and, if not, what additional operation and maintenance and/or pretreatment is necessary to bring the discharge into compliance. This statement must be signed by an authorized representative of the industrial user.

3. Periodic Reports on Continued Compliance - 40 CFR Part 403.12(e)

The permittee, being subject to an applicable pretreatment standard must submit to the Utilities Service Board, hereinafter known as the Board, during the months of June and December, or more frequently if required by the Board, a report indicating the nature and concentration of prohibited or regulated substances in the discharge which are limited by the Categorical Pretreatment Standards. These regulated substances include chromium, cadmium, copper, lead, nickel, silver, zinc, cyanide, and TTO. In addition, this report must include a record of all measured or estimated average and maximum daily flows during the reporting period. Flows are to be reported on the basis of actual measurement, except, where cost or feasibility considerations justify, the Board may accept reports of average and maximum flows estimated by verifiable techniques. The Board, considering such factors as local high or low flow rates, holidays, budget cycles, or other extenuating factors may authorize submission of the reports on months other than those specified above.

E. TTO MONITORING REQUIREMENTS

1. The Total Toxic Organics (TTO) limitation is defined as the summation of all quantifiable values greater than 0.01 mg/l for the toxic organic compounds (TOC) listed below. For each TOC used at the facility, an analysis for that compound must be performed. The sum of all values for each TOC shall not exceed the TTO limitation in Part I-A-1.

PRIORITY POLLUTANTS

ACENAPHTHENE
ACROLEIN
ACRYLONITRILE
ALDRIN
DIELDRIN
BENZENE
BENZIDINE
CARBON TETRACHLORIDE

CHLORDANE (TECHNICAL MIXTURE AND METABOLITES)
CHLOROBENZENE
1,2,4-TRICHLOROBENZENE
HEXACHLOROBENZENE
1,2-DICHLOROETHANE
1,1,1-TRICHLOROETHANE
HEXACHLOROETHANE
1,1-DICHLOROETHANE
1,1,2-TRICHLOROETHANE
1,1,2,2-TETRACHLOROETHANE
CHLOROETHANE
BIS (2-CHLOROETHYL) ETHER
2-CHLOROETHYL VINYL ETHER (MIXED)
2-CHLORONAPHTHALENE
2,4,6-TRICHLOROPHENOL
PARACHLOROMETA CRESOL
CHLOROFORM (TRICHLOROMETHANE)
2-CHLOROPHENOL
1,2-DICHLOROBENZENE
1,3-DICHLOROBENZENE
1,4-DICHLOROBENZENE
3,3-DICHLOROBENZIDINE
1,1-DICHLOROETHYLENE
1,2-TRANS-DICHLOROETHYLENE
2,4-DICHLOROPHENOL
1,2-DICHLOROPROPANE
1,2-DICHLOROPROPYLENE
2,4-DIMETHYLPHENOL
2,4-DINITROTOLUENE
2,6-DINITROTOLUENE
1,2-DIPHENYLHYDRAZINE
ENDRIN
ETHYLBENZENE
FLUOROANTHENE
4-CHLOROPHENYL PHENYL ETHER
4-BROMOPHENYL PHENYL ETHER
BIS (2-CHOROISOPROPYL) ETHER
BIS (2-CHLOROETHOXY) METHANE
METHYLENE CHLORIDE (DICHLOROMETHANE)
METHYL CHORIDE (CHLOROMETHANE)
METHYL BROMIDE (BROMOMETHANE)
BROMOFORM (TRIBROMOMETHANE)
DICHLOROBROMOMETHANE
CHLORODIBROMOMETHANE
HEPTACHLOR AND METABOLITES
HEXACHLOROBUTADIENE
HEXACHLOROCYCLOPENTADIENE
ISOPHORONE
NAPHTHALENE
NITROBENZENE
2-NITROPHENOL
4-NITROPHENOL
2,4-DINITROPHENOL
4,6-DINITRO-O-CRESOL

N-NITROSODIMETHYLAMINE
N-NITROSODIPHENYLAMINE
N-NITROSODI-N-PROPYLAMINE
PENTACHLOROPHENOL
PHENOL
BIS (2-ETHYLHEXYL) PHTHLATE
BUTYL BENZYL PHTHLATE
DI-N-BUTYL PHTHLATE
DI-N-OCTYL PHTHLATE
DIETHYL PHTHLATE
DIMETHYL PHTHLATE
1,2-BENZANTHRACENE (BENZO (A) ANTHRACENE)
BENZO (A) PYRENE (3,4-BENZOPYRENE)
3,4-BENZOFLUORANTHANE (BENZO(b)FLUORANTHENE)
11,12-BENZOFLUORANTHENE (BENZO (K) FLUORANTHANE)
CHRYSENE
ACENAPHTHYLENE
ANTHRACENE
1,12-BENZOPERYLENE (BENZO (GHI) PERYLENE)
*DIBENZO (A,H) ANTHRACENE
FLUORENE
PHENANTHRENE
1,2,5,6-DIBENZANTHRACENE (DIBENZO(a,h)ANTHRACENE)
INDENO (1,2,3-cd) PYRENE (2,3-O-PHENLENE PYRENE)
PYRENE
TETRACHLOROETHYLENE
4,4'-DDT
4,4'-DDE (p,p-DDX)
4,4'-DDD (p,p-TDE)
ALPHA-ENDOSULFAN
BETA-ENDOSULFAN
ENDOSULFAN SULFATE
ENDRIN ALDEHYDE
HEPTACHLOR EPOXIDE (BHC-HEXACHLOROCYCLOHEXANE)
ALPHA-BHC
BETA-BHC
GAMMA-BHC (LINDANE)
DELTA-BHC
PCB-1242
PCB-1254
PCB-1221
PCB-1232
PCB-1248
PCB-1260
PCB-1016
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN (TCDD)
TOLUENE
TOXAPHENE
TRICHLOROETHYLENE
VINYL CHLORIDE (CHLOROETHYLENE)

2. It is herein noted that General Electric Company is in compliance with the TTO standard at the time of issuance of this permit.

F. REOPENING CLAUSE

This permit shall be modified, or alternatively, revoked and reissued, to comply with any applicable effluent limitation or standard issued or approved under section 307 (b) of the Clean Water Act, if the effluent limitation or standard so issued or approved:

1. Contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or

2. Controls any pollutant not limited in the permit.

The permit, as modified or reissued under this paragraph, shall also contain any other requirements of the Act then applicable.

PART II

BLOOMINGTON INDUSTRIAL WASTE PRETREATMENT PERMIT

A. MANAGEMENT REQUIREMENTS

1. Change in Discharge

All discharges authorized herein shall be consistent with the terms and conditions of this permit. The discharge of any pollutant identified in this permit more frequently than or at a level in excess of that authorized shall constitute a violation of the permit. Any anticipated facility expansions, production increases, or process modifications which will result in new, different or increased discharges of pollutants must be reported by submission of a new industrial waste pretreatment permit application or, if such changes will not violate the effluent limitations specified in this permit, by notice to the USB of such changes. Following such notice, the permit may be modified to specify and limit any pollutants not previously limited. Any change in discharge must also be reported to the authorized agent for the City listed under Part I-B-3, above.

2. Containment Facilities

When cyanide or cyanogen compounds are used in any of the processes at this facility the permittee shall provide approved facilities for the containment of any losses of these compounds in accordance with the requirements of 327 IAC 2-2-1.

3. Slug Control Plan

The permittee shall maintain and update annually a slug control plan. All employees shall be trained annually on the slug control plan and a list of all employees trained shall be kept on file.

4. Operator Certification

The permittee shall have the waste treatment facilities under the direct supervision of an operator certified by the Indiana Department of Environmental Management as required by IC 13-18-11.

5. Noncompliance Notification

If, for any reason, the permittee does not comply with or will be unable to comply with any daily maximum effluent limitation specified in this permit, the permittee shall provide the Utilities Service Board with the following information, in writing, within twenty-four hours (24) after becoming aware of such condition. In the event of a **slug discharge** of known substances regulated by this permit and/or regulated by 40 CFR Part 403.5, the permittee shall notify the Utilities Service Board by contacting either of the following persons within one hour of the discovery of such **slug loading** event:

Pretreatment Coordinator	Plant Superintendent
Utilities Department	Dillman Road WWTF
(812) 339-1444	(812) 824-4900

The verbal and written notifications under this provision shall include, at a minimum, the following information:

a. A description of the discharge and cause of non-compliance; and

b. The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncomplying discharge.

6. Facilities Operation

The permittee shall at all times maintain in good working order and operate as efficiently as possible, all treatment or control facilities or systems installed or used by the permittee to achieve compliance with the terms and conditions of this permit.

7. Adverse Impact

The permittee shall take all reasonable steps to minimize any adverse impact to the sewage treatment plant resulting from noncompliance with any effluent limitations specified in this permit, including such accelerated or additional monitoring necessary to determine the nature and impact of the noncomplying discharge.

8. Bypassing

Any diversion from or bypass of facilities necessary to maintain compliance with the terms and conditions of this permit is prohibited, except (i) where it would be unavoidable to prevent loss of life or severe property damage, or (ii) where excessive storm drainage or runoff would damage any facilities necessary for compliance with the effluent limitations and prohibitions of this permit. The permittee shall promptly notify the Utilities Service Board and the sewage treatment plant, by telephone and in writing, of such diversion or bypass.

9. Removed Substances- Slug Discharges Prohibited

Solids, sludge, filter backwash, or other pollutants removed from or resulting from treatment or control of wastewaters shall be disposed of in a manner which complies with all Indiana statutory provisions and regulations relative to refuse, liquid and/or solid waste disposal. Slug discharges of substances regulated by this permit and/or 40 CFR Part 403.5 (b) and/or Bloomington Municipal Code Section 10.12 are prohibited and constitute a violation of this permit.

10. Power Failures

When a power source is used to operate wastewater treatment facilities in order to maintain compliance with the effluent limitations and prohibitions of this permit, the permittee shall either:

a. Provide an alternative power source sufficient to operate facilities utilized by the permittee to maintain compliance with the effluent limitations and conditions of this permit, or

b. Upon the reduction, loss, or failure of one or more of the primary sources of power to facilities utilized by the permittee to maintain compliance with the effluent limitations and conditions of this permit, the permittee shall halt, reduce, or otherwise control production and/or discharge in order to maintain compliance with the effluent limitations and conditions of this permit.

B. RESPONSIBILITIES

1. Right of Entry

The permittee shall allow the Director of Utilities of the Utilities Service Board, and/or their authorized representatives and/or the authorized representatives of the City of Bloomington, upon the presentation of credentials:

a. To enter upon the permittee's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this permit; and

b. At reasonable times to have access to and copy any records required to be kept under the terms or conditions of this permit; to inspect any monitoring equipment or monitoring method required in this permit; and to sample any discharge of pollutants.

2. Transfer of Ownership or Control

This permit is not transferable and cannot be assigned to any other party.

3. Penalties for False Reporting

Knowingly making any false statement on any report required by this permit may result in the imposition of civil penalties as provided for in Bloomington Municipal Code Chapter 10.16.060.

4. Permit Modification

After notice and opportunity for hearing, this permit may be modified, suspended, or revoked, in whole or in part, during its term for cause including, but not limited to, the following:

a. Violation of any terms or conditions of this permit;

b. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or

c. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.

5. Toxic Pollutants

Notwithstanding Part II-B-4 above, if a toxic effluent pretreatment standard or prohibition (including any schedule of compliance specified in such effluent pretreatment standard or prohibition) is established under Section 307 (b) of the Clean Water Act for a toxic pollutant which is present in the discharge and such standard or prohibition is more stringent than any limitation for such pollutant in this permit, this permit shall be revised or modified in accordance with the toxic effluent pretreatment standard or prohibition and the permittee so notified.

6. Civil and Criminal Liability

Except as provided in permit conditions on "Bypassing" (Part II-A-8) and "Power Failures" (Part II-A-10), nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance, whether or not such noncompliance is due to factors beyond the facility's control, such as accidents, equipment breakdowns, or labor disputes.

Violation of any term or condition of this permit is punishable by fine of not more than $2,500 per violation pursuant to Bloomington Municipal Code Chapter 10.04.110 Penalties. In accordance with Bloomington Municipal Code Section 10.04.110, each day of non-compliance with a term or condition of this permit may be deemed a separate violation.

7. Oil and Hazardous Substance Liability

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under Section 311 of the Clean Water Act.

8. Property Rights

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights or infringement of Federal, State, or local laws or regulations.

9. Severability

The provisions of this permit are severable and if any provision of this permit, or the application of any provision of this permit to any circumstances is held invalid, the application of such provision to other circumstances and the remainder of this permit shall not be affected thereby.

10. Construction Permit

The permittee shall not construct, install, or modify any water pollution control facilities without compliance with Bloomington Municipal Code Chapter 10.16.

11. The lead operator of the pretreatment system shall be required to tour the Dillman Road Wastewater Treatment Plant a minimum of one time during the duration of this permit.

12. Permit Renewal Application

The permittee shall apply for a permit renewal a minimum of 180 days prior to the expiration of the existing permit.

PRETREATMENT PERMIT BRIEFING MEMO

General Electric Company
301 N. Curry Pike
Bloomington, IN 47401
Contact: Jim Strasler 334-9626
Permit BIWPP #002

Facility Description

This facility manufactures an average of 2,000 refrigerators per day. Major processes include sheet metal fabrication, electrostatic and powder (dry) painting, plastic injection molding and metal finishing. The regulated process is a conveyorized paint line, consisting of wash, rinse, and phosphating stages. This process discharges a total of 61,800 gpd.

Discharge Description

The total average daily wastewater discharge of 109,806 gpd is generated by the following sources:

53,206 gpd paint preparation wash and rinse line
13,300 gpd cooling water
28,400 gpd sanitary water
3,300 gpd boiler feed water
11,600 gpd evaporation

Wastewater Treatment

The existing wastewater pretreatment system utilizes acidic sulfonation, clarification, sludge holding and filter press to achieve metals reduction and sludge dewatering. Residual sludge from the pretreatment system is hauled to a secure landfill (BFI Twin Bridges-Danville, IN). The discharge is continuous.

The metal finishing effluent will be sampled at the end of the pretreatment system.

Stages of the pretreatment system

Case Bonderite System

Stage 1 Betz Kleen SBC120 - Alkaline Cleaner Bath to Clean Cases
Stage 2 Rinse with City Water - Rinse Alkaline Cleaner
Stage 3 Betz ActiPrep 701 - Activate metal surfaces prior to Zinc
Stage 4 Zinc Phosphate Coating Betz RPT 405 & Betz 650 - To Produce a smooth corrosion resisting paint bonding Zinc Phosphate Coating
Stage 5 Rinse with City Water - Rinse Zinc Phosphate
Stage 6 Sealer rinse Betz PT 604A - Non-Chrome Sealer, Improve Corrosion Protection and Paint Adhesion
Stage 7 Final rinse with DI Water - Rinse Hardness Salts

Door Bonderite System

Stage 1 A Betz Kleen 132 - Liquid Alkaline Cleaner Bath to Clean Doors
Stage 1 B Betz Kleen 132 - Liquid Alkaline Cleaner Bath to Clean Doors
Stage 2 Rinse with City Water - Rinse Alkaline Cleaner
Stage 3 Rinse with City Water - Rinse Alkaline Cleaner
Stage 4 Betz 306A - Liquid Conversion Coating
Stage 5 Rinse with City Water - Rinse Conversion Coating
Stage 6 Betz 800HP Non Chrome Sealer & Betz 604A - Liquid Conversion Coating
Stage 7 Not Used

Selection of Parameters

This facility is regulated by the Metal Finishing Point Source Category, part 433, Subpart A Metal Finishing Subcategory, 433.15.

Weekly monitoring is required for zinc, nickel, flow rate and pH. Lead, copper. cadmium, chromium, silver, cyanide, and TTO will be monitored twice each year during the months of June and December.

Calculation of Limits

General Electric has one regulated process which is metal finishing and therefore is regulated under federal Metal Finishing regulations 40 CFR Part 433.15 and the local ordinance. Limits are in effect for cadmium, chromium, copper, cyanide, lead, nickel, zinc, silver, and also TTO. Limits for this permit were taken from 40 CFR Part 433.15.

Effect on Bloomington POTW

ISBH assisted in the development of the influent limitations on metals and other contaminants entering the POTW. This is the forth pretreatment permit which has been issued to General Electric Company. With the exception of sporadic operational problems related to the paint system in the past, General Electric Company has consistently maintained compliance with the conditions of its permit.

Permit drafted by Shawn Miya, Pretreatment Coordinator, November 2007.
Permit revised by Shawn Miya, Pretreatment Coordinator, May 2008.

Revised May 2008

BLOOMINGTON INDUSTRIAL WASTE PRETREATMENT PERMIT

UTILITIES SERVICE BOARD
AUTHORIZATION TO DISCHARGE UNDER THE
CITY OF BLOOMINGTON PRETREATMENT PROGRAM

Hall Signs, Incorporated, located at 4495 W. Vernal Pike, Bloomington, Indiana, in accordance with the provisions of the City of Bloomington Municipal Code (Title 10), is authorized to discharge from the approved pretreatment facility into the City of Bloomington wastewater treatment system. The permittee is required to comply with effluent limitations, monitoring requirements, and other conditions set forth in Parts I and II hereof.

This permit shall become effective on the date of signature of the President of the Utilities Service Board.

This permit and the authorization to discharge shall expire at midnight September 20, 2009. In order to receive authorization to discharge beyond the date of expiration, the permittee shall submit such information and forms as are required by the Utilities Service Board.

This permit cannot be transferred to any other owner, tenant, successor or assign.

Signed this 20th day of September 2004, for the Utilities Service Board.

L. Thomas Swafford, President
Utilities Service Board

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge from the seven staged phosphate and chrome bath metal finishing manufacturing processes. Such discharge shall be limited and monitored by the permittee as specified below:

Phosphoric Acid Treatment
Stage 4 Continuous Flow Cold Rinse Tank

POLLUTANT	DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS			
	Monthly Avg. Max.(mg/l)	Daily Max.(mg/l)	Measurement Frequency	Sample Type	Analytical Method	Detection Limit
Chromium, T	1.71	2.77	weekly	grab	200.7	0.01
Lead, T	0.43	0.69	2 X annually*	grab	200.7	0.01
Zinc, T	1.48	2.61	2 X annually	grab	200.7	0.01
Copper, T	2.07	3.38	2 X annually	grab	200.7	0.01
Cyanide, T	0.65	1.20	2 X annually	grab	335.2	0.01
Cadmium, T	0.26	0.69	2 X annually	grab	200.7	0.01
Silver, T	0.24	0.43	2 X annually	grab	200.7	0.01
Nickel, T	2.38	3.98	2 X annually	grab	200.7	0.01
TTO		2.13	2 X annually	grab	624 & 625	0.01
pH		5.0-10.0	when sampling	grab		
Flow	---	---	when sampling	continuous		

* Parameters which are to be analyzed twice annually shall be done during the months of June and December. In the event that any pollutant limitation is exceeded, more frequent sampling of the regulated wastewater may be required.

Chrome Bath Treatment
Stage 6 and Stage 7 Wastewater Pretreatment Holding Tank

POLLUTANT	DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS			
	Monthly Avg. Max.(mg/l)	Daily Max.(mg/l)	Measurement Frequency	Sample Type	Analytical Method	Detection Limit
Chromium, T	1.71	2.77	each batch	grab	200.7	0.01
Lead, T	0.43	0.69	2 X annually*	grab	200.7	0.01
Zinc, T	1.48	2.61	2 X annually	grab	200.7	0.01
Copper, T	2.07	3.38	2 X annually	grab	200.7	0.01
Cyanide, T	0.65	1.20	2 X annually	grab	335.2	0.01
Cadmium, T	0.26	0.69	2 X annually	grab	200.7	0.01
Silver, T	0.24	0.43	2 X annually	grab	200.7	0.01
Nickel, T	2.38	3.98	2 X annually	grab	200.7	0.01
TTO		2.13	2 X annually	grab	624 & 625	0.01
pH		5.0-10.0	when sampling	grab		
Flow	---	---	when sampling	batch		

* Parameters which are to be analyzed twice annually shall be done in June and December or at least four months apart. In the event that any pollutant limitation is exceeded, more frequent sampling of the regulated wastewater may be required. **Compliance with the pH and**

chromium limitations above, shall be verified by the permittee prior to each batch discharge.

(a) Pollutant discharge limits in Part I-A-1 are taken from Volume 40 Code of Federal Regulations (CFR) Part 433.15 Pretreatment Standards for Existing Sources, federal pretreatment standards for new metal finishers and the City of Bloomington Sewer Use Ordinance (Bloomington Municipal Code – Title 10).

(b) The combination of all wastewaters flowing from the facility shall conform to City of Bloomington Utilities Rules, Regulations and Standards of Service dated April 7, 2003, which may be amended by the Utilities Service Board of Bloomington, Indiana from time to time.

B. MONITORING AND REPORTING

1. Representative Sampling

Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored discharge. In other words, samples and measurements shall be taken during the permittee's normal working hours.

2. Sample collection and handling

Samples collected as required herein shall be preserved and shipped for analysis in accordance with procedures outlined in Volume 40 CFR Part 136.

3. Reporting

The permittee shall submit monitoring reports to the Utilities Service Board containing results obtained during the previous month and shall be postmarked no later than the 28th day of the month following each completed monitoring period. The first report shall be postmarked by the 28th day of the month following the month in which this permit becomes effective. All reports shall be sent by mail to the following address:

Pretreatment Coordinator
Utilities Service Board
City of Bloomington Utilities Department
P. O. Box 1216
Bloomington, IN 47402-1216

4. Definitions

a. Effluent Limitations

(1) The arithmetic mean of the parameter values for the effluent samples collected in a calendar month shall not exceed the monthly averages contained in the Discharge Limitation Section, Part I-A-1 of this permit for concentration and/or quantity.

(2) The daily maximum means the concentration value which shall not be exceeded for any singular grab or any composite effluent sample taken during any calendar day.

b. Average Discharge Limitation

(1) Weight Basis - The average discharge means the total discharge by weight during a calendar month divided by the number of days in the month that the production or commercial facility was discharging. Where less than daily sampling is required by this permit, the daily average discharge shall be determined by the summation of the measured daily

discharges by weight divided by the number of days during the calendar month when the measurements were made.

(2) Concentration Basis - The average concentration means the arithmetic average (proportional to flow) of all daily determinations of concentration made during a calendar month. Daily determinations of concentration made using a composite sample shall be the concentration of the composite sample. When grab samples are used, the daily determination of concentration shall be the arithmetic average (weighted by flow value) of all the samples collected during the calendar day.

c. Maximum Discharge Limitation

(l) Weight Basis - The maximum discharge means the total discharge by weight during any calendar day.

(2) Concentration Basis - The maximum concentration means the daily determination of concentration for any calendar day.

d. Sample Type

(l) Grab samples are individual samples collected over a period of time not to exceed 15 minutes. Grab samples shall be taken manually. The sample volume depends on the number of analyses to be performed. Grab samples shall be collected on a weekly basis from the Stage 4 continuous flow cold rinse tank. Grab samples shall also be collected from each batch of wastewater from the stage 6 and stage 7 pretreatment holding tank.

5. Test Procedures

Analytical procedures for samples of pollutants required herein shall conform to regulations published pursuant to Volume 40 CFR Part 136.

6. Recording of Results

For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall maintain a Chain of Custody record which contains the following information:

a. The exact place, date, and time of sampling;

b. The name(s) and signature(s) of the person(s) who collected the sample;

c. The name(s) and signature(s) of the person (s) who transported and received the sample;

c. The dates the analyses were performed;

d. The person(s) who performed the analyses;

e. The analytical techniques or methods used

All analytical data submitted to CBU must be accompanied with the laboratory report and chain of custody. The laboratory report must include the analytical techniques or methods used and the laboratory detection limit for each analysis performed.

7. Additional Monitoring by Permittee

If the permittee monitors any pollutant at the location(s) designated herein more frequently than required by this permit, using approved analytical methods as specified above, the results of such monitoring shall be included in the calculation and reporting of the values required in the Utilities Service Board Monthly Monitoring Report. Reasons for such increased frequency shall also be indicated.

8. Records Retention

All records and information resulting from the monitoring activities required by this permit, including all records of analyses performed and calibration and maintenance of instrumentation and recording from continuous monitoring instrumentation, shall be retained for a minimum of three (3) years. This retention period may be extended during the course of any unresolved litigation regarding the discharge of pollutants by the permittee or when requested by the Utilities Service Board.

C. ADDITIONAL REPORTING REQUIREMENTS FOR PERMITTEE/ DISCHARGER

1. Baseline Report - 40 CFR Part 403.12(b)

Within 180 days after the effective date of a Categorical Pretreatment Standard, or 180 days after the final administrative decision made on a category, whichever is later, existing industrial users subject to such Categorical Pretreatment Standards and currently discharging to or scheduled to discharge to a POTW (Publicly Owned Treatment Works) will be required to submit to the Utilities Service Board a report containing the information listed in paragraph (b) (l)-(7) of 403.12(b).

2. Compliance Date Report - 40 CFR Part 403.12(d)

Within 90 days following the date for final compliance with an applicable pretreatment standard, any industrial user subject to those standards must submit to the Utilities Service Board a report indicating the nature and concentration of all pollutants in the discharge generated from the regulated process which are limited by Categorical Pretreatment Standards.

The report must also state whether applicable standards are being met on a consistent basis and, if not, what additional operation and maintenance and/or pretreatment is necessary to bring the discharge into compliance. This statement should be signed by an authorized representative of the industrial user.

3. Periodic Reports on Continued Compliance - 40 CFR Part 403.12(e)

The permittee, being subject to an applicable pretreatment standard must submit to the Utilities Service Board, hereinafter known as the Board, during the months of June and December, or more frequently if required by the Board, a report indicating the nature and concentration of prohibited or regulated substances in the discharge which are limited by the Categorical Pretreatment Standards. These regulated substances include chromium, cadmium, copper, lead, nickel, silver, zinc, cyanide, and TTO. In addition, this report must include a record of all measured or estimated average and maximum daily flows during the reporting period. Flows are to be reported on the basis of actual measurement, except, where cost or feasibility considerations justify, the Board may accept reports of average and maximum flows estimated by verifiable techniques. The Board, considering such factors as local high or low flow rates, holidays, budget cycles, or other extenuating factors may authorize submission of the reports on months other than those specified above.

D. TTO MONITORING REQUIREMENTS

1. The Total Toxic Organics (TTO) limitation is defined as the summation of all quantifiable values greater than 0.01 mg/l for the toxic organic compounds (TOC) listed below. For each TOC used at the facility, an analysis for that compound must be performed. The sum of all values for each TOC shall not exceed the TTO limitation in Part I-A-1.

PRIORITY POLLUTANTS

ACENAPHTHENE
ACROLEIN
ACRYLONITRILE
ALDRIN
DIELDRIN
BENZENE
BENZIDINE
CARBON TETRACHLORIDE
CHLORDANE (TECHNICAL MIXTURE AND METABOLITES)
CHLOROBENZENE
1,2,4-TRICHLOROBENZENE
HEXACHLOROBENZENE
1,2-DICHLOROETHANE
1,1,1-TRICHLOROETHANE
HEXACHLOROETHANE
1,1-DICHLOROETHANE
1,1,2-TRICHLOROETHANE
1,1,2,2-TETRACHLOROETHANE
CHLOROETHANE
BIS (2-CHLOROETHYL) ETHER
2-CHLOROETHYL VINYL ETHER (MIXED)
2-CHLORONAPHTHALENE
2,4,6-TRICHLOROPHENOL
PARACHLOROMETA CRESOL
CHLOROFORM (TRICHLOROMETHANE)
2-CHLOROPHENOL
1,2-DICHLOROBENZENE
1,3-DICHLOROBENZENE
1,4-DICHLOROBENZENE
3,3-DICHLOROBENZIDINE
1,1-DICHLOROETHYLENE
1,2-TRANS-DICHLOROETHYLENE
2,4-DICHLOROPHENOL
1,2-DICHLOROPROPANE
1,2-DICHLOROPROPYLENE
2,4-DIMETHYLPHENOL
2,4-DINITROTOLUENE
2,6-DINITROTOLUENE
1,2-DIPHENYLHYDRAZINE
ENDRIN
ETHYLBENZENE
FLUOROANTHENE
4-CHLOROPHENYL PHENYL ETHER
4-BROMOPHENYL PHENYL ETHER
BIS (2-CHOROISOPROPYL) ETHER
BIS (2-CHLOROETHOXY) METHANE
METHYLENE CHLORIDE (DICHLOROMETHANE)

METHYL CHORIDE (CHLOROMETHANE)
METHYL BROMIDE (BROMOMETHANE)
BROMOFORM (TRIBROMOMETHANE)
DICHLOROBROMOMETHANE
CHLORODIBROMOMETHANE
HEPTACHLOR AND METABOLITES
HEXACHLOROBUTADIENE
HEXACHLOROCYCLOPENTADIENE
ISOPHORONE
NAPHTHALENE
NITROBENZENE
2-NITROPHENOL
4-NITROPHENOL
2,4-DINITROPHENOL
4,6-DINITRO-O-CRESOL
N-NITROSODIMETHYLAMINE
N-NITROSODIPHENYLAMINE
N-NITROSODI-N-PROPYLAMINE
PENTACHLOROPHENOL
PHENOL
BIS (2-ETHYLHEXYL) PHTHLATE
BUTYL BENZYL PHTHLATE
DI-N-BUTYL PHTHLATE
DI-N-OCTYL PHTHLATE
DIETHYL PHTHLATE
DIMETHYL PHTHLATE
1,2-BENZANTHRACENE (BENZO (A) ANTHRACENE)
BENZO (A) PYRENE (3,4-BENZOPYRENE)
3,4-BENZOFLUORANTHANE (BENZO(b)FLUORANTHENE)
11,12-BENZOFLUORANTHENE (BENZO (K) FLUORANTHANE)
CHRYSENE
ACENAPHTHYLENE
ANTHRACENE
1,12-BENZOPERYLENE (BENZO (GHI) PERYLENE)
*DIBENZO (A,H) ANTHRACENE
FLUORENE
PHENANTHRENE
1,2,5,6-DIBENZANTHRACENE (DIBENZO(a,h)ANTHRACENE)
INDENO (1,2,3-cd) PYRENE (2,3-O-PHENLENE PYRENE)
PYRENE
TETRACHLOROETHYLENE
4,4'-DDT
4,4'-DDE (p,p-DDX)
4,4'-DDD (p,p-TDE)
ALPHA-ENDOSULFAN
BETA-ENDOSULFAN
ENDOSULFAN SULFATE
ENDRIN ALDEHYDE
HEPTACHLOR EPOXIDE (BHC-HEXACHLOROCYCLOHEXANE)
ALPHA-BHC
BETA-BHC
GAMMA-BHC (LINDANE)
DELTA-BHC
PCB-1242
PCB-1254
PCB-1221

PCB-1232
PCB-1248
PCB-1260
PCB-1016
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN (TCDD)
TOLUENE
TOXAPHENE
TRICHLOROETHYLENE
VINYL CHLORIDE (CHLOROETHYLENE)

2. In lieu of monitoring for TTO, and at the discretion of the Board, an industrial user of a POTW may make the following certification as a comment to the periodic reports required by 40 CFR 403.12(e):

"Based on my inquiry of the person or persons directly responsible for managing compliance with the pretreatment standard for total toxic organics (TTO), I certify that, to the best of my knowledge and belief, no dumping of concentrated toxic organics into the wastewaters has occurred since filing the last discharge monitoring report. I further certify that this facility is implementing the solvent management plan submitted to the Utility Service Board."

In requesting that no monitoring be required, an industrial user shall submit a solvent management plan that specifies to the Utility Service Board's (USB) satisfaction the following conditions:

a. The toxic organic compounds used;

b. The method of disposal used instead of dumping, such as reclamation, contract hauling, incineration, etc.; and

c. The procedures for assuring that toxic organics do not routinely spill or leak into the wastewater.

If an industrial user is capable of complying with the above conditions and chooses the certification option in lieu of monitoring, a request for USB approval of the solvent management plan shall be submitted by October 1, 1999.

3. If it is determined that monitoring is necessary to measure compliance with the TTO standard, the industrial user need analyze only for those pollutants which would reasonably be expected to be present in the discharge. Compliance with the TTO standard shall be achieved by the date of issuance of this permit.

E. REOPENING CLAUSE

This permit shall be modified, or alternatively, revoked and reissued, to comply with any applicable effluent limitation or standard issued or approved under section 307 (b) of the Clean Water Act, if the effluent limitation or standard so issued or approved:

1. Contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or

2. Controls any pollutant not limited in the permit.

The permit, as modified or reissued under this paragraph, shall also contain any other requirements of the Act then applicable.

PART II

BLOOMINGTON INDUSTRIAL WASTE PRETREATMENT PERMIT

A. MANAGEMENT REQUIREMENTS

1. Change in Discharge

All discharges authorized herein shall be consistent with the terms and conditions of this permit. The discharge of any pollutant identified in this permit more frequently than or at a level in excess of that authorized shall constitute a violation of the permit. Any anticipated facility expansions, production increases, or process modifications which will result in new, different or increased discharges of pollutants must be reported by submission of a new industrial waste pretreatment permit application or, if such changes will not violate the effluent limitations specified in this permit, by notice to the USB of such changes. Following such notice, the permit may be modified to specify and limit any pollutants not previously limited. Any change in discharge must also be reported to the authorized agent for the City listed under Part I-B-3, above.

2. Containment Facilities

When cyanide or cyanogen compounds are used in any of the processes at this facility the permittee shall provide approved facilities for the containment of any losses of these compounds in accordance with the requirements of 327 IAC 2-2-1.

3. Slug Control Plan

The permittee shall maintain and update annually a slug control plan which aims to prevent an accidental discharge to the sanitary sewer system. The plan must also contain all necessary information for employees on actions to take during a spill. A copy of the plan must be kept on file at all times and all employees shall be trained annually on the slug control plan. A list of all employees trained shall be kept on file.

4. Operator Certification

The permittee shall have the waste treatment facilities under the direct supervision of an operator certified by the Indiana Department of Environmental Management as required by IC 13-1-6.

5. Noncompliance Notification

If, for any reason, the permittee does not comply with or will be unable to comply with any daily maximum effluent limitation specified in this permit, the permittee shall provide the Utilities Service Board with the following information, in writing, within twenty-four hours (24) after becoming aware of such condition. In the event of a **slug discharge** of known substances regulated by this permit and/or regulated by 40 CFR Part 403.5(b), the permittee shall notify the Utilities Service Board by contacting either of the following persons within one hour of the discovery of such **slug loading** event:

Pretreatment Coordinator	Plant Superintendent
Utilities Department	Dillman Road WWTF
(812) 339-1444	(812) 824-4900

The verbal and written notifications under this provision shall include, at a minimum, the following information:

a. A description of the discharge and cause of non-compliance; and

b. The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncomplying discharge.

6. Facilities Operation

The permittee shall at all times maintain in good working order and operate as efficiently as possible, all treatment or control facilities or systems installed or used by the permittee to achieve compliance with the terms and conditions of this permit.

7. Adverse Impact

The permittee shall take all reasonable steps to minimize any adverse impact to the sewage treatment plant resulting from noncompliance with any effluent limitations specified in this permit, including such accelerated or additional monitoring necessary to determine the nature and impact of the noncomplying discharge.

8. Bypassing

Any diversion from or bypass of facilities necessary to maintain compliance with the terms and conditions of this permit is prohibited, except (i) where it would be unavoidable to prevent loss of life or severe property damage, or (ii) where excessive storm drainage or runoff would damage any facilities necessary for compliance with the effluent limitations and prohibitions of this permit. The permittee shall promptly notify the Utilities Service Board and the sewage treatment plant, by telephone and in writing, of such diversion or bypass.

9. Removed Substances- Slug Discharges Prohibited

Solids, sludge, filter backwash, or other pollutants removed from or resulting from treatment or control of wastewaters shall be disposed of in a manner such as to be in compliance with all Indiana statutory provisions and regulations relative to refuse, liquid and/or solid waste disposal. Slug discharges of substances regulated by this permit and/or Volume 40 CFR Part 403.5 (b) and/or Bloomington Municipal Code Chapter 10.12 are prohibited and constitute a violation of this permit.

10. Power Failures

When a power source is used to operate wastewater treatment facilities in order to maintain compliance with the effluent limitations and prohibitions of this permit, the permittee shall either:

a. Provide an alternative power source sufficient to operate facilities utilized by the permittee to maintain compliance with the effluent limitations and conditions of this permit, or

b. Upon the reduction, loss, or failure of one or more of the primary sources of power to facilities utilized by the permittee to maintain compliance with the effluent limitations and conditions of this permit, the permittee shall halt, reduce, or otherwise control production

and/or discharge in order to maintain compliance with the effluent limitations and conditions of this permit.

B. RESPONSIBILITIES

1. Right of Entry

The permittee shall allow the Director of Utilities of the Utilities Service Board, and/or their authorized representatives and/or the authorized representatives of the City of Bloomington, upon the presentation of credentials:

a. To enter upon the permittee's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this permit; and

b. At reasonable times to have access to and copy any records required to be kept under the terms or conditions of this permit; to inspect any monitoring equipment or monitoring method required in this permit; and to sample any discharge of pollutants.

2. Transfer of Ownership or Control

This permit is not transferable and cannot be assigned to any other party.

3. Penalties for False Reporting

Knowingly making any false statement on any report required by this permit may result in the imposition of criminal penalties as provided for in Bloomington Municipal Code Chapter 10.16.060.

4. Permit Modification

After notice and opportunity for hearing, this permit may be modified, suspended, or revoked, in whole or in part, during its term for cause including, but not limited to, the following:

a. Violation of any terms or conditions of this permit;

b. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or

c. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.

5. Toxic Pollutants

Notwithstanding Part II-B-4 above, if a toxic effluent pretreatment standard or prohibition (including any schedule of compliance specified in such effluent pretreatment standard or prohibition) is established under Section 307 (b) of the Clean Water Act for a toxic pollutant which is present in the discharge and such standard or prohibition is more stringent than any limitation for such pollutant in this permit, this permit shall be revised or modified in accordance with the toxic effluent pretreatment standard or prohibition and the permittee so notified.

6. Civil and Criminal Liability

Except as provided in permit conditions on "Bypassing" (Part II-A-8) and "Power Failures" (Part II-A-10), nothing in this permit shall be construed to relieve the permittee from

civil or criminal penalties for noncompliance, whether or not such noncompliance is due to factors beyond his control, such as accidents, equipment breakdowns, or labor disputes.

Violation of any term or condition of this permit is punishable by fine of not more than $ $2,500 per violation pursuant to the City of Bloomington Municipal Code Chapter 10.04.110 Penalties. In accordance with City of Bloomington Municipal Code Section 10.04.110, each day of non-compliance with a term or condition of this permit may be deemed a separate violation.

7. Oil and Hazardous Substance Liability

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under Section 311 of the Act.

8. Property Rights

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights or infringement of Federal, State, or local laws or regulations.

9. Severability

The provisions of this permit are severable and if any provision of this permit, or the application of any provision of this permit to any circumstances is held invalid, the application of such provision to other circumstances and the remainder of this permit shall not be affected thereby.

10. Construction Permit

The permittee shall not construct, install, or modify any water pollution control facilities without compliance with Bloomington Municipal Code Chapter 10.16.

11. The lead operator of the pretreatment system shall be required to tour the Dillman Road Wastewater Treatment Plant a minimum of one time during the duration of this permit.

12. During the duration of the permit, at least one management representative in responsible charge of pretreatment permit compliance shall attend and document a minimum of three contact hours of pollution prevention training.

13. Permit Renewal Application

The permittee shall apply for a permit renewal a minimum of 180 days prior to the expiration of the existing permit.

PRETREATMENT PERMIT BRIEFING MEMO

Hall Signs, Incorporated
4495 W. Vernal Pike
PO Box 515
Bloomington, IN 47402-0515
Contact: Ms. Ginny Mullis
332-9355

Facility Description

This company manufactures highway information and marking signs. Major operations include punching and cutting of rolled and sheet aluminum. Information for the sign face is silk-screened onto the blank aluminum surface which has been etched with phosphoric and chromic acid. Galvanized signposts are also cut on site. A small digital photographic and developing operation also exists in the art shop at this facility. No actual film processing using photo chemicals occurs at this facility.

Discharge Description

The average daily wastewater discharge of 4,200 gallons per day is generated by the following sources:

1,200 gallons per day- sanitary water
3,000 gallons per day- metal preparation process

Wastewater Treatment

Stages of the metal preparation system:

Stage 1: hot water rinse
Stage 2: cold water rinse
Stage 3: phosphoric acid wash
Stage 4: continuous flow cold rinse
Stage 5: chrome bath
Stage 6: continuous flow cold rinse
Stage 7: hot water rinse

Wastewater from the Stage 4 continuous flow cold rinse tank is continuously monitored and adjusted to maintain a pH between 6 - 9. A caustic called LCS Neutralizer or an acid called Neutralizer SI is added as needed to maintain the pH range.

Wastewater from the Stage 6 and Stage 7 chrome rinse tanks are sent to a batch wastewater pretreatment system utilizing standard pH adjustment techniques to solidify and strip heavy metals from process wastewater. Initially, pH is lowered to 2-3 SU and then sodium bisulfite is added to reduce the chrome from the hexavalent form to the trivalent form. The operator then uses lime to raise pH and then adds LCS Neutralizer combined with a polymer to precipitate out metals. The LCS feed continues until the pH is back to within a range of 6-9. Flocculation of solids produces a heavy precipitate that settles to the bottom of the system for later removal. Once the solids are captured, they are de-watered by filter press and removed as solid hazardous waste. The system operator verifies compliance prior to discharge. The wastewater is then discharged into the Stage 4 continuous flow cold rinse tank.

Selection of Parameters

This facility is regulated by the Metal Finishing Point Source Category, part 433, Subpart A Metal Finishing Subcategory, 433.15 Pretreatment Standards for Existing Sources (PSES). Weekly monitoring is required for chromium, flow volume and pH from the Stage 4 continuous flow cold rinse tank. Monitoring is required for chromium, batch size, and pH from each batch of wastewater from the Stage 6 and Stage 7 pretreatment holding tank. Zinc, lead, copper, cadmium, cyanide, silver, nickel and total toxic organics (TTO) will be monitored in June and December each year from the Stage 4 continuous flow cold rinse tank. Zinc, lead, copper, cadmium, cyanide, silver, nickel and TTO will be monitored each year in June and December or at least four months apart from the Stage 6 and Stage 7 pretreatment holding tank.

The TTOs to be monitored are typically restricted to those which are reasonably expected to be present in the effluent, and not the entire list as listed in the permit. Hall Signs is advised on an annual basis as to which TTOs to monitor for.

Calculation of Limits

Hall Signs has one industrial process which is regulated under federal Metal Finishing regulations 40 CFR Part 433.15 and the local sewer use ordinance. Limits are in effect for cadmium, chromium, copper, cyanide, lead, nickel, zinc, silver, and TTO. Limits for this permit were taken from 40 CFR Part 433.15, PSES and the City of Bloomington Sewer Use Ordinance (Bloomington Municipal Code – Title 10).

Effect on Bloomington POTW

This is the fourth pretreatment permit issued to Hall Signs. Hall Signs has complied with the requirements of its permits.

Permit drafted by John N. Langley, Pretreatment Coordinator, October 1994.
Permit revised by John N. Langley, Pretreatment Coordinator, July 1998.
Permit revised by John N. Langley, Pretreatment Coordinator, August 1999.
Permit revised by John N. Langley, Deputy Director, September 2004.
Permit revised by Shawn C. Miya, Pretreatment Coordinator, May 2008.

CITY OF BLOOMINGTON INDUSTRIAL PRETREATMENT PROGRAM

MONTHLY INDUSTRIAL REPORTING FORM Report date: _____

Hall Signs, Incorporated
4495 W. Vernal Pike
Bloomington, Indiana 47403
Contact: John Graham 332-9355

Phosphoric Acid Treatment
Stage 4 Continuous Flow Cold Rinse Tank

		Parameters:	Flow	pH	Cr	Zn	Ni	Pb	Cu	Ag	Cd	CN	TTO
		Sample Type	Continuous	grab	grab	grab	grab	grab	grab	grab	grab	grab	grab
		Frequency	When Sampling	When Sampling	Weekly	Biannually	Biannually	Biannually	Biannually	Biannually	Biannually	Biannually	Biannually
		Units	gal/min		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
PERMIT		Daily Maximum		5.0-10.0	2.77	2.61	3.98	0.69	3.38	0.43	0.11	1.2	2.13
CONDITIONS		Monthly Avg. Max			1.71	1.48	2.38	0.43	2.07	0.24	0.07	0.65	
Sample Location	Sample Date												
	Maximum												
	Average												
	Excursions												

Parameters which are to be analyzed twice annually shall be done during the months of June and December.

Crome Bath Treatment
Stage 6 and Stage 7 Pretreatment Holding Tank

		Parameters	Flow	pH	Cr	Zn	Ni	Pb	Cu	Ag	Cd	CN	TTO
		Sample Type	batch	grab	grab	grab	grab	grab	grab	grab	grab	grab	grab
		Frequency	When Sampling	When Sampling	Each batch	Biannually	Biannually	Biannually	Biannually	Biannually	Biannually	Biannually	Biannually
		Units	gal.		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
PERMIT		Daily Maximum		5.0-10.0	2.77	2.61	3.98	0.69	3.38	0.43	0.11	1.2	2.13
CONDITIONS		Monthly Avg. Max.			1.71	1.48	2.38	0.43	2.07	0.24	0.07	0.65	
Sample Location	Sample Date												
	Maximum												
	Average												
	Excursions												

Parameters which are to be analyzed biannually shall be done during the months of June and December or at least 4 months apart.

_____
Signature of Authorized Agent

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false inmformation, including the possibility of fine and imprisonment for knowing violations.

Revised May 2008

BLOOMINGTON INDUSTRIAL WASTE PRETREATMENT PERMIT

UTILITIES SERVICE BOARD
AUTHORIZATION TO DISCHARGE UNDER THE
CITY OF BLOOMINGTON PRETREATMENT PROGRAM

Indiana Metal Craft, Inc., located at 4602 Innovation Ct., Bloomington, Indiana, in accordance with the provisions of the City of Bloomington Municipal Code (Title 10), is authorized to discharge from the approved pretreatment facility into the City of Bloomington wastewater treatment system. The permittee is required to comply with effluent limitations, monitoring requirements, and other conditions set forth in Parts I and II hereof.

The permit shall become effective on the date of signature of the President of the Utilities Service Board.

This permit and the authorization to discharge shall expire at midnight November 1, 2009. In order to receive authorization to discharge beyond the date of expiration, the permittee shall submit such information and forms as are required by the Utilities Service Board.

This permit cannot be transferred to any other owner, tenant, successor or assign. Signed this 1st day of November 2004, for the Utilities Service Board.

_____

L. Thomas Swafford, President
Utilities Service Board

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge from outfall 001*. Such discharge shall be limited and monitored by the permittee as specified below:

POLLUTANT	DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS			
	Monthly Avg. Max.(mg/l)	Daily Max.(mg/l)	Measurement Frequency	Sample Type	Analytical Method	Detection Limit
Zinc, T	1.48	2.61	each batch	grab	200.7	0.01
Nickel, T	2.38	3.98	each batch	grab	200.7	0.01
Copper, T	2.07	3.38	each batch	grab	200.7	0.01
Chromium, T	1.71	2.77	2 X annually	grab	200.7	0.01
Lead, T	0.43	0.69	2 X annually	grab	200.7	0.01
Cyanide, T	0.65	1.20	2 X annually	grab	335.2	0.01
Cadmium, T	0.07	0.11	2 X annually	grab	200.7	0.01
Silver, T	0.24	0.43	2 X annually	grab	200.7	0.01
TTO		2.13	2 X annually	grab	624 & 625	0.01
pH		5.0-10.0	when sampling	grab		
Flow	---	---	when sampling	batch size		

(a) Outfall 001 is designated as the combined total of all wastewaters generated from the industrial wastewater pretreatment system, at its outfall to the City's wastewater system.

(b) Parameters which are to be analyzed twice annually shall be done a minimum of four months apart.

(c) All pollutant discharge limits in Part I A, 1 are taken from 40 Code of Federal Regulation (CFR), Part 433.17, Pretreatment Standards for New Sources (PSNS), federal pretreatment standards for new source metal finishers.

(d) For the purposes of this permit, a batch is defined as all process wastewater collected in five or fewer treatment cycles. The total volume of wastewater collected for disposal shall not exceed 555 gallons unless approved by the Director prior to disposal.

B. MONITORING AND REPORTING

1. Representative Sampling

Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored discharge. In other words, samples and measurements shall be taken during the permittee's normal working hours.

2. Sample collection and handling

Samples collected as required herein shall be preserved and shipped for analysis in accordance with procedures outlined in Volume 40 CFR Part 136.

3. Reporting

The permittee shall submit monitoring reports to the Utilities Service Board containing results obtained during the previous month and shall be postmarked no later than the 28th day of the month following each completed monitoring period. The first report shall be postmarked by the 28th day of the month following the month in which this permit becomes effective. All reports shall be sent by mail to the following address:

Pretreatment Coordinator
Utilities Service Board
City of Bloomington Utilities Department
P. O. Box 1216
Bloomington, IN 47402-1216

4. Definitions

a. Effluent Limitations

(l) The arithmetic mean of the parameter values for the effluent samples collected in a calendar month shall not exceed the monthly averages contained in the Discharge Limitation Section, Part I-A-l of this permit for concentration and/or quantity.

(2) The daily maximum means the concentration value which shall not be exceeded for any singular grab or any composite effluent sample taken during any calendar day.

b. Average Discharge Limitation

(l) Weight Basis - The average discharge means the total discharge by weight during a calendar month divided by the number of days in the month that the production or commercial facility was discharging. Where less than daily sampling is required by this permit, the daily average discharge shall be determined by the summation of the measured daily discharges by weight divided by the number of days during the calendar month when the measurements were made.

(2) Concentration Basis - The average concentration means the arithmetic average (proportional to flow) of all daily determinations of concentration made during a calendar month. Daily determinations of concentration made using a composite sample shall be the concentration of the composite sample. When grab samples are used, the daily determination of concentration shall be the arithmetic average (weighted by flow value) of all the samples collected during the calendar day.

c. Maximum Discharge Limitation

(l) Weight Basis - The maximum discharge means the total discharge by weight during any calendar day.

(2) Concentration Basis - The maximum concentration means the daily determination of concentration for any calendar day.

d. Sample Type

(l) Grab samples are individual samples collected over a period of time not to exceed 15 minutes. Grab samples shall be taken manually. The sample volume depends

on the number of analyses to be performed. Grab samples shall be collected from each batch of pretreated wastewater.

5. Test Procedures

Analytical procedures for samples of pollutants required herein shall conform to regulations published pursuant to Volume 40 CFR Part 136.

6. Recording of Results

For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall maintain a Chain of Custody record which contains the following information:

a. The exact place, date, and time of sampling;

b. The name(s) and signature(s) of the person(s) who collected the sample;

c. The name(s) and signature(s) of the person (s) who transported and received the sample;

c. The dates the analyses were performed;

d. The person(s) who performed the analyses;

e. The analytical techniques or methods used

All analytical data submitted to CBU must be accompanied with the laboratory report and chain of custody. The laboratory report must include the analytical techniques or methods used and the laboratory detection limit for each analysis performed.

7. Additional Monitoring by Permittee

If the permittee monitors any pollutant at the location(s) designated herein more frequently than required by this permit, using approved analytical methods as specified above, the results of such monitoring shall be included in the calculation and reporting of the values required in the Utilities Service Board Monthly Monitoring Report. Such increased frequency shall also be indicated.

8. Records Retention

All records and information resulting from the monitoring activities required by this permit, including all records of analyses performed and calibration and maintenance of instrumentation and recording from continuous monitoring instrumentation, shall be retained for a minimum of three (3) years. This retention period may be extended during the course of any unresolved litigation regarding the discharge of pollutants by the permittee or when requested by the Utilities Service Board.

C. SCHEDULE OF COMPLIANCE

NO COMPLIANCE SCHEDULE APPLIES AT THE TIME OF ISSUANCE OF THIS PERMIT.

D. ADDITIONAL REPORTING REQUIREMENTS FOR PERMITTEE/ DISCHARGER

1. Baseline Report - 40 CFR Part 403.12(b)

Within 180 days after the effective date of a Categorical Pretreatment Standard, or 180 days after the final administrative decision made on a category, whichever is later, existing industrial users subject to such Categorical Pretreatment Standards and currently discharging to or scheduled to discharge to a POTW (Publicly Owned Treatment Works) will be required to submit to the Utilities Service Board a report containing the information listed in paragraph (b) (l)-(7) of 403.12(b).

2. Compliance Date Report - 40 CFR Part 403.12(d)

Within 90 days following the date for final compliance with an applicable pretreatment standard, any industrial user subject to those standards must submit to the Utilities Service Board a report indicating the nature and concentration of all pollutants in the discharge generated from the regulated process which are limited by Categorical Pretreatment Standards.

The report must also state whether applicable standards are being met on a consistent basis and, if not, what additional operation and maintenance and/or pretreatment is necessary to bring the discharge into compliance. This statement must be signed by an authorized representative of the industrial user.

3. Periodic Reports on Continued Compliance - 40 CFR Part 403.12(e)

The permittee, being subject to an applicable pretreatment standard must submit to the Utilities Service Board, hereinafter known as the Board, no later than the 28th day of the month following each completed monitoring period, a report indicating the nature and concentration of prohibited or regulated substances in the discharge which are limited by the Categorical Pretreatment Standards. These regulated substances include chromium, cadmium, copper, lead, nickel, silver, zinc, cyanide, and TTO. In addition, this report must include a record of all measured or estimated average and maximum daily flows during the reporting period. Flows are to be reported on the basis of actual measurement, except, where cost or feasibility considerations justify, the Board may accept reports of average and maximum flows estimated by verifiable techniques. The Board, considering such factors as local high or low flow rates, holidays, budget cycles, or other extenuating factors may authorize submission of the reports on months other than those specified above.

E. TTO MONITORING REQUIREMENTS

1. The Total Toxic Organics (TTO) limitation is defined as the summation of all quantifiable values greater than 0.01 mg/l for the toxic organic compounds (TOC) listed below. For each TOC used at the facility, an analysis for that compound must be performed. The sum of all values for each TOC shall not exceed the TTO limitation in Part I-A-1.

PRIORITY POLLUTANTS

ACENAPHTHENE
ACROLEIN
ACRYLONITRILE
ALDRIN
DIELDRIN
BENZENE
BENZIDINE

CARBON TETRACHLORIDE
CHLORDANE (TECHNICAL MIXTURE AND METABOLITES)
CHLOROBENZENE
1,2,4-TRICHLOROBENZENE
HEXACHLOROBENZENE
1,2-DICHLOROETHANE
1,1,1-TRICHLOROETHANE
HEXACHLOROETHANE
1,1-DICHLOROETHANE
1,1,2-TRICHLOROETHANE
1,1,2,2-TETRACHLOROETHANE
CHLOROETHANE
BIS (2-CHLOROETHYL) ETHER
2-CHLOROETHYL VINYL ETHER (MIXED)
2-CHLORONAPHTHALENE
2,4,6-TRICHLOROPHENOL
PARACHLOROMETA CRESOL
CHLOROFORM (TRICHLOROMETHANE)
2-CHLOROPHENOL
1,2-DICHLOROBENZENE
1,3-DICHLOROBENZENE
1,4-DICHLOROBENZENE
3,3-DICHLOROBENZIDINE
1,1-DICHLOROETHYLENE
1,2-TRANS-DICHLOROETHYLENE
2,4-DICHLOROPHENOL
1,2-DICHLOROPROPANE
1,2-DICHLOROPROPYLENE
2,4-DIMETHYLPHENOL
2,4-DINITROTOLUENE
2,6-DINITROTOLUENE
1,2-DIPHENYLHYDRAZINE
ENDRIN
ETHYLBENZENE
FLUOROANTHENE
4-CHLOROPHENYL PHENYL ETHER
4-BROMOPHENYL PHENYL ETHER
BIS (2-CHOROISOPROPYL) ETHER
BIS (2-CHLOROETHOXY) METHANE
METHYLENE CHLORIDE (DICHLOROMETHANE)
METHYL CHORIDE (CHLOROMETHANE)
METHYL BROMIDE (BROMOMETHANE)
BROMOFORM (TRIBROMOMETHANE)
DICHLOROBROMOMETHANE
CHLORODIBROMOMETHANE
HEPTACHLOR AND METABOLITES
HEXACHLOROBUTADIENE
HEXACHLOROCYCLOPENTADIENE
ISOPHORONE
NAPHTHALENE
NITROBENZENE
2-NITROPHENOL
4-NITROPHENOL
2,4-DINITROPHENOL

4,6-DINITRO-O-CRESOL
N-NITROSODIMETHYLAMINE
N-NITROSODIPHENYLAMINE
N-NITROSODI-N-PROPYLAMINE
PENTACHLOROPHENOL
PHENOL
BIS (2-ETHYLHEXYL) PHTHLATE
BUTYL BENZYL PHTHLATE
DI-N-BUTYL PHTHLATE
DI-N-OCTYL PHTHLATE
DIETHYL PHTHLATE
DIMETHYL PHTHLATE
1,2-BENZANTHRACENE (BENZO (A) ANTHRACENE)
BENZO (A) PYRENE (3,4-BENZOPYRENE)
3,4-BENZOFLUORANTHANE (BENZO(b)FLUORANTHENE)
11,12-BENZOFLUORANTHENE (BENZO (K) FLUORANTHANE)
CHRYSENE
ACENAPHTHYLENE
ANTHRACENE
1,12-BENZOPERYLENE (BENZO (GHI) PERYLENE)
*DIBENZO (A,H) ANTHRACENE
FLUORENE
PHENANTHRENE
1,2,5,6-DIBENZANTHRACENE (DIBENZO(a,h)ANTHRACENE)
INDENO (1,2,3-cd) PYRENE (2,3-O-PHENLENE PYRENE)
PYRENE
TETRACHLOROETHYLENE
4,4'-DDT
4,4'-DDE (p,p-DDX)
4,4'-DDD (p,p-TDE)
ALPHA-ENDOSULFAN
BETA-ENDOSULFAN
ENDOSULFAN SULFATE
ENDRIN ALDEHYDE
HEPTACHLOR EPOXIDE (BHC-HEXACHLOROCYCLOHEXANE)
ALPHA-BHC
BETA-BHC
GAMMA-BHC (LINDANE)
DELTA-BHC
PCB-1242
PCB-1254
PCB-1221
PCB-1232
PCB-1248
PCB-1260
PCB-1016
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN (TCDD)
TOLUENE
TOXAPHENE
TRICHLOROETHYLENE
VINYL CHLORIDE (CHLOROETHYLENE)

2. In lieu of monitoring for TTO, and at the discretion of the Board, an industrial user of a POTW may make the following certification as a comment to the periodic reports required by 40 CFR 403.12(e):

"Based on my inquiry of the person or persons directly responsible for managing compliance with the pretreatment standard for total toxic organics (TTO), I certify that, to the best of my knowledge and belief, no dumping of concentrated toxic organics into the wastewaters has occurred since filing the last discharge monitoring report. I further certify that this facility is implementing the solvent management plan submitted to the Utility Service Board."

In requesting that no monitoring be required, an industrial user shall submit a solvent management plan that specifies to the Utility Service Board's (USB) satisfaction the following conditions:

a. The toxic organic compounds used;

b. The method of disposal used instead of dumping, such as reclamation, contract hauling, incineration, etc.; and

c. The procedures for assuring that toxic organics do not routinely spill or leak into the wastewater.

If an industrial user is capable of complying with the above conditions and chooses the certification option in lieu of monitoring, a request for USB approval of the solvent management plan shall be submitted by December 1, 2004.

3. If it is determined that monitoring is necessary to measure compliance with the TTO standard, the industrial user need analyze only for those pollutants which would reasonably be expected to be present in the discharge. Compliance with the TTO standard shall be achieved by December 31, 2004.

F. REOPENING CLAUSE

This permit shall be modified, or alternatively, revoked and reissued, to comply with any applicable effluent limitation or standard issued or approved under section 307 (b) of the Clean Water Act, if the effluent limitation or standard so issued or approved:

1. Contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or

2. Controls any pollutant not limited in the permit.

The permit, as modified or reissued under this paragraph, shall also contain any other requirements of the Act then applicable.

PART II

BLOOMINGTON INDUSTRIAL WASTE PRETREATMENT PERMIT

A. MANAGEMENT REQUIREMENTS

1. Change in Discharge

All discharges authorized herein shall be consistent with the terms and conditions of this permit. The discharge of any pollutant identified in this permit more frequently than or at a level in excess of that authorized shall constitute a violation of the permit. Any anticipated facility expansions, production increases, or process modifications which will result in new, different or increased discharges of pollutants must be reported by submission of a new industrial waste pretreatment permit application or, if such changes will not violate the effluent limitations specified in this permit, by notice to the USB of such changes. Following such notice, the permit may be modified to specify and limit any pollutants not previously limited. Any change in discharge must also be reported to the authorized agent for the City listed under Part I-B-3, above.

2. Containment Facilities

When cyanide or cyanogen compounds are used in any of the processes at this facility the permittee shall provide approved facilities for the containment of any losses of these compounds in accordance with the requirements of 327 IAC 2-2-1.

3. Slug Control Plan

The permittee shall maintain and update annually a slug control plan which aims to prevent an accidental discharge to the sanitary sewer system. The plan must also contain all necessary information for employees on actions to take during a spill. A copy of the plan must be kept on file at all times and all employees shall be trained annually on the slug control plan. A list of all employees trained shall be kept on file.

4. Operator Certification

The permittee shall have the waste treatment facilities under the direct supervision of an operator certified by the Environmental Management Board as required by IC 13-18-11.

5. Noncompliance Notification

If, for any reason, the permittee does not comply with or will be unable to comply with any daily maximum effluent limitation specified in this permit, the permittee shall provide the Utilities Service Board with the following information, in writing, within twenty-four hours (24) after becoming aware of such condition. In the event of a **slug discharge** of known substances regulated by this permit and/or regulated by 40 CFR Part 403.5(b), the permittee shall notify the Utilities Service Board by contacting either of the following persons within one hour of the discovery of such **slug loading** event:

Pretreatment Coordinator	Plant Superintendent
Utilities Department	Dillman Road WWTF
(812) 339-1444	(812) 824-4900

The verbal and written notifications under this provision shall include, at a minimum, the following information:

a. A description of the discharge and cause of non-compliance; and

b. The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncomplying discharge.

6. Facilities Operation

The permittee shall at all times maintain in good working order and operate as efficiently as possible, all treatment or control facilities or systems installed or used by the permittee to achieve compliance with the terms and conditions of this permit.

7. Adverse Impact

The permittee shall take all reasonable steps to minimize any adverse impact to the sewage treatment plant resulting from noncompliance with any effluent limitations specified in this permit, including such accelerated or additional monitoring necessary to determine the nature and impact of the non-complying discharge.

8. Bypassing

Any diversion from or bypass of facilities necessary to maintain compliance with the terms and conditions of this permit is prohibited, except (i) where it would be unavoidable to prevent loss of life or severe property damage, or (ii) where excessive storm drainage or runoff would damage any facilities necessary for compliance with the effluent limitations and prohibitions of this permit. The permittee shall promptly notify the Utilities Service Board and the sewage treatment plant, by telephone and in writing, of such diversion or bypass.

9. Removed Substances- Slug Discharges Prohibited

Solids, sludges, filter backwash, or other pollutants removed from or resulting from treatment or control of wastewaters shall be disposed of in a manner such as to be in compliance with all Indiana statutory provisions and regulations relative to refuse, liquid and/or solid waste disposal. Slug discharges of substances regulated by this permit and/or Volume 40 CFR Part 403.5 (b) and/or the City of Bloomington Municipal Code Section 10.12 are prohibited and constitute a violation of this permit.

10. Power Failures

When a power source is used to operate wastewater treatment facilities in order to maintain compliance with the effluent limitations and prohibitions of this permit, the permittee shall either:

a. Provide an alternative power source sufficient to operate facilities utilized by the permittee to maintain compliance with the effluent limitations and conditions of this permit, or

b. Upon the reduction, loss, or failure of one or more of the primary sources of power to facilities utilized by the permittee to maintain compliance with the effluent limitations and conditions of this permit, the permittee shall halt, reduce, or otherwise control production and/or discharge in order to maintain compliance with the effluent limitations and conditions of this permit.

B. RESPONSIBILITIES

1. Right of Entry

The permittee shall allow the Director of Utilities of the Utilities Service Board, and/or their authorized representatives and/or the authorized representatives of the City of Bloomington, upon the presentation of credentials:

a. To enter upon the permittee's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this permit; and

b. At reasonable times to have access to and copy any records required to be kept under the terms or conditions of this permit; to inspect any monitoring equipment or monitoring method required in this permit; and to sample any discharge of pollutants.

2. Transfer of Ownership or Control

This permit is not transferable and cannot be assigned to any other party.

3. Penalties for False Reporting

Knowingly making any false statement on any report required by this permit may result in the imposition of criminal penalties as provided for in Bloomington Municipal Code Chapter 10.16.060.

4. Permit Modification

After notice and opportunity for hearing, this permit may be modified, suspended, or revoked, in whole or in part, during its term for cause including, but not limited to, the following:

a. Violation of any terms or conditions of this permit;

b. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or

c. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.

5. Toxic Pollutants

Notwithstanding Part II-B-4 above, if a toxic effluent pretreatment standard or prohibition (including any schedule of compliance specified in such effluent pretreatment standard or prohibition) is established under Section 307 (b) of the Clean Water Act for a toxic pollutant which is present in the discharge and such standard or prohibition is more stringent than any limitation for such pollutant in this permit, this permit shall be revised or modified in accordance with the toxic effluent pretreatment standard or prohibition and the permittee so notified.

6. Civil and Criminal Liability

Except as provided in permit conditions on "Bypassing" (Part II-A-8) and "Power Failures" (Part II-A-10), nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance, whether or not such noncompliance is due to factors beyond his control, such as accidents, equipment breakdowns, or labor disputes.

Violation of any term or condition of this permit is punishable by fine of not more than $2,500 per violation pursuant to the City of Bloomington Municipal Code Section 10.04.110

Penalties. In accordance with the City of Bloomington Municipal Code Section 10.04.110, each day of non-compliance with a term or condition of this permit may be deemed a separate violation.

7. Oil and Hazardous Substance Liability

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under Section 311 of the Act.

8. Property Rights

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights or infringement of Federal, State, or local laws or regulations.

9. Severability

The provisions of this permit are severable and if any provision of this permit, or the application of any provision of this permit to any circumstances is held invalid, the application of such provision to other circumstances and the remainder of this permit shall not be affected thereby.

10. Construction Permit

The permittee shall not construct, install, or modify any water pollution control facilities without compliance with Bloomington Municipal Code Chapter 10.16.

11. Permit Renewal Application

The permittee shall apply for a permit renewal a minimum of 180 days prior to the expiration of the existing permit.

PRETREATMENT PERMIT BRIEFING MEMO

Indiana Metal Craft
PO Box 546
4602 Innovation Ct.
Bloomington, IN 47402-0546
Contact: Mark Norden, 336-2362, ext 228

Facility Description

This facility manufactures cast and die struck promotional products such as belt buckles, paper weights, commerative medals and award pieces. Raw metal components which are processed include sterling silver, fine silver, pewter, bronze, stainless steel, nickel, copper and brass.

Discharge Description

The total average daily wastewater discharge of 3,660 gpd is generated by the following sources:

10	gpd Process #1 pewter casting
60	gpd Process # 2 brass, nickel, silver, bronze copper strike, oxidize and pickle
1,850	gpd Process # 3 silicon brass
1,000	gpd cooling water
850	gpd sanitary water

Wastewater Treatment

The existing wastewater pretreatment system utilizes acidic sulfonation, settling, sludge holding (dewatering) to precipitate trace metals out of process water. Residual sludge from the pretreatment system (about 6 drums per year) is hauled to a secure landfill by US Liquids (Detroit). The discharge is approximately 110 gallons per batch. IMC usually accumulates and samples about 550 gallons prior to each disposal event.

The metal finishing effluent will be sampled at the end of the pretreatment system.

Stages of the pretreatment system

Stages 1: Source water is mixed in pretreatment holding tank.
Stage 2: pH is adjusted downward using ferric sulfate/
Stage 3: pH is adjusted upward using hydrated lime slurry.
Stage 4: 8 oz. of Metal reducer is used per 110 gallon batch.
Stage 5: Addition of clay based polymer at a concentration of 2 pounds per 110 gallons of process wastewater.

Selection of Parameters

This facility is regulated by the Metal Finishing Point Source Category found at Volume 40, Code of Federal Regulations (CFR), Subpart A, Part 433.17, Pretreatment Standards for New Sources (PSNS) and the City of Bloomington Sewer Use Ordinance (Bloomington Municipal Code – Title 10).

Each 500 gallon batch is to be sampled for zinc, copper, and nickel. Additionally, each batch will be tested for pH to ensure compliance with the local limit of 5.0 to 10.0. Semi-annual monitoring is required for lead, cadmium, chromium, silver, cyanide and TTO a minimum of four months apart.

Calculation of Limits

Indiana Metal Craft, Inc. has one metal finishing process and is therefore regulated under Metal Finishing Point Source Category found at Volume 40 CFR, Subpart A, Part 433.17, PSNS and the local sewer use ordinance. Limits are in effect for cadmium, chromium, copper, cyanide, lead, nickel, zinc, silver, TTO, TSS and pH. Limits for this permit were taken from 40 CFR Part 433.17, PSNS and from the City of Bloomington Sewer Use Ordinance (City of Bloomington Municipal Code - Title 10).

Effect on Bloomington POTW

Indiana Metal Craft is a small manufacturer relative to other major metal finishers already discharging to the Dillman Road POTW. The treated discharge is not expected to have a noticeable impact on the treatment works or its final effluent quality.

Because of their size, this discharger may exercise its option to file a certification statement under the TTO standard, which would require filing a Toxic Organic Management Plan approved by the USB.

Permit drafted by John N. Langley, Deputy Director, October 2004.
Permit revised with corrections to Table I A, 1 February 9, 2005.
Permit revised with corrections to Category (from 433.16 to 433.17 per IDEM, May 5, 2005 letter).
Permit revised with changes to measurement frequency guidelines, Part I A, 1. (b), August 25, 2005
Briefing Memo revised to reflect past permit revisions and current operations, January 2007.
Permit revised with pH limitations, analytical methods, and detection limit additions, May 2008.